



UNITED STATES MARINE CORPS
2D MARINE AIRCRAFT WING
II MARINE EXPEDITIONARY FORCE
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Wing Order 3500.1

From: Commanding General, 2d Marine Aircraft Wing
To: Distribution List

Subj: AVIATION INTELLIGENCE UNIT TRAINING AND READINESS (T&R)
ORDER

Ref: (a) ICD 208
(b) MCO 1553.3A
(c) MCO 3500.32
(d) MCO 3500.41
(e) MCO P3500.72A
(f) MCTL 2.0
(g) MCRP 2-3A
(h) MCWP 2-3

Encl: (1) Aviation Intelligence Unit Training and Readiness
(T&R) Order.

1. Situation. Per the references, this Unit T&R Order standardized training of Marines is assigned to perform intelligence functions within 2d Marine Aircraft Wings (2d MAWs).

2. Mission. Per reference (b), Commanders will conduct an internal assessment of the unit's ability to develop long -, mid - and short - range training plans to sustain proficiency. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, indentify training gaps and document objective assessments of readiness associated with training Marines.

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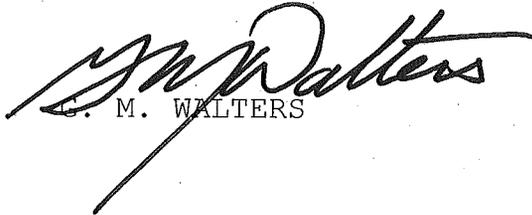
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3. Execution. The G-2 will update this Unit T&R Order as necessary to provide current and relevant training standards to commanders and 2d MAW units performing intelligence functions.

4. Command and Signal

a. Command. This Order is applicable to all 2d MAW Units.

b. Signal. This Order is effective the date signed.



G. M. WALTERS

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Locator Sheet

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LOCATION: _____
(Indicate location(s) of copy(ies) of this Order.)

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RECORD OF CHANGES

Log completed change action as indicated.

| Change Number | Date of Change | Date Entered | Signature of Person Incorporated Change |
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Chapter 1

Aviation Intelligence Unit T&R Overview

1. Introduction. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training and assessing training readiness. Subject Matter Experts (SMEs) from the operating forces developed core capability Mission Essential Task Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R Manuals are built around these METLs and all events contained in T&R Manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real world missions.

2. Usage. This Aviation Intelligence Unit T&R Manual contains the collective training requirements to prepare aviation intelligence sections to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in support of aviation operations. The T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. This Order includes Collective Training Events (CTEs) for the 02XX, 26XX and 68XX Military Occupational Specialties (MOS's) and identifies the tasks expected of an intelligence section to support the Commander and assigned missions.

3. Event Coding. Events in the Aviation Intelligence Unit T&R Manual are depicted with a 15 - digit, 3 - field alphanumeric system, i.e. XXXXXXXX-XXXX-XXXX. In some cases, all 15 digits may not be used.

a. Field one. In this field each event starts with MEFACE, indicating that the event is in support of a Marine Expeditionary Force (MEF), Aviation Combat Element (ACE). The list below identifies the size of unit supported:

| <u>Code</u> | <u>CTE Level</u> | <u>Aviation Entity Supported</u> |
|-------------|------------------|----------------------------------|
| MEFACE | 10000 | MAW |
| MEBACE | 9000 | Composite MAG |
| MAG | 8000 | MAG |
| MEUACE | 7000 | Composite Squadron |
| SQDN | 6000 | Each T/M/S Squadron |
| MCMDR | 5000 | Mission Commander |
| DLDR | 4000 | Division Leader |
| GLDR | 3000 | Group Leader |

denotes place holders for future WTI certification

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

| <u>Code</u> | <u>Description</u> | <u>Example</u> |
|-------------|----------------------|------------------|
| ANYS | Analysis | MEFACE-ANYS-XXXX |
| COLL | Collections | MEFACE-COLL-XXXX |
| DISS | Dissemination | MEFACE-DISS-XXXX |
| GENI | General Intelligence | MEFACE-GENI-XXXX |
| PLAN | Planning | MEFACE-PLAN-XXXX |
| TRGT | Targeting | MEFACE-TRGT-XXXX |
| MTOC | METOC | MEFACE-MTOC-XXXX |
| SIGN | Signals Intelligence | MEFACE-SIGN-XXXX |

c. Field three. All individual events within T&R Manuals are either 1000 - level for events taught at MOS - producing formal schools or 2000 - level for events taught at intermediate/advanced-level schools or Marine On the Job Training (MOJT). All Collective Training Events are designated at the 3000-10000 level. This document contains collective training events at the 3000-10000 level designated for all aviation units supported by intelligence sections organic to the MAW. Furthermore, the first two digits in the 6000 series indicate Type/Model/Series (T/M/S) supported. See below explanation:

| <u>Code</u> | <u>T/M/S</u> |
|-------------------------|--------------|
| SQDN-GENI- <u>61</u> XX | (F/A-18) |
| SQDN-GENI- <u>62</u> XX | (EA-6B) |
| SQDN-GENI- <u>63</u> XX | (AV-8B) |
| SQDN-GENI- <u>64</u> XX | (C-130) |

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SQDN-GENI-65XX (H-1)
SQDN-GENI-66XX (MV-22/CH-53/CH-46)
SQDN-GENI-67XX (UAS)
SQDN-GENI-68XX (GROUND SUPPORT)
SQDN-GENI-69XX (F-35 JSF) *(In development)*

4. Aviation Intelligence Unit T&R METs (02xx, 26xx, 68xx)

a. 02xx:

(1) MET 1. Provide Intelligence Support to Offensive Air Support.

(2) MET 2. Provide Intelligence Support to Anti - Air Warfare.

(3) MET 3. Provide Intelligence Support to Assault Support.

(4) MET 4. Provide Intelligence Support to Air Reconnaissance.

(5) MET 5. Provide Intelligence Support to Electronic Warfare.

(6) MET 6. Provide Intelligence Support to Control of Aircraft and Missiles.

b. 26xx:

(1) MET 1. Provide Signals Intelligence Support to Offensive Air Support.

(2) MET 2. Provide Signals Intelligence Support to Anti-Air Warfare.

(3) MET 3. Provide Signals Intelligence Support to Assault Support.

(4) MET 4. Provide Signals Intelligence Support to Air Reconnaissance.

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(5) MET 5. Provide Signals Intelligence Support to Electronic Warfare.

(6) MET 6. Provide Signals Intelligence Support to Control of Aircraft and Missiles.

c. 68xx:

(1) MET 1. Provide METOC Support to Offensive Air Support.

(2) MET 2. Provide METOC Support to Anti-Air Warfare.

(3) MET 3. Provide METOC Support to Assault Support.

(4) MET 4. Provide METOC Support to Air Reconnaissance.

(5) MET 5. Provide METOC Support to Electronic Warfare.

(6) MET 6. Provide METOC Support to Control of Aircraft and Missiles.

(7) MET 7. Provide METOC Support to Aviation Ground Support.

Enclosure (1)

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Chapter 2

10000 Level MEFACE

| | |
|--|---|
| MET 1. Provide Intelligence and METOC Support to Offensive Air Support | |
| MEFACE-TRGT-10001 (MCT 2.1) | Provide Intelligence Support to Targeting |
| MEFACE-ANYS-10002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations |
| MEFACE-COLL-10003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| MEFACE-COLL-10004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products |
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-DISS-10007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |
| MEFACE-SIGN-10015 (MCT 2.1.3.2.2) | Conduct ELINT Analysis |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 2. Provide Intelligence and METOC Support to Anti - Air Warfare | |
| MEFACE-TRGT-10001 (MCT 2.1) | Provide Intelligence Support to Targeting |
| MEFACE-ANYS-10002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations |
| MEFACE-COLL-10003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| MEFACE-COLL-10004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |

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|--|---|
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-DISS-10007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10011 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |
| MEFACE-SIGN-10015 (MCT 2.1.3.2.2) | Conduct ELINT Analysis |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 3. Provide Intelligence and METOC Support to Assault Support | |
| MEFACE-ANYS-10002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations |
| MEFACE-COLL-10004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products |
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-DISS-10007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |

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|---|---|
| MEFACE-SIGN-10015 (MCT 2.1.3.2.2) | Conduct ELINT Analysis |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance | |
| MEFACE-TRGT-10001 (MCT 2.1) | Provide Intelligence Support to Targeting |
| MEFACE-ANYS-10002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations |
| MEFACE-COLL-10003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| MEFACE-COLL-10004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products |
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-DISS-10007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |
| MEFACE-SIGN-10015 (MCT 2.1.3.2.2) | Conduct ELINT Analysis |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare | |
| MEFACE-TRGT-10001 (MCT 2.1) | Provide Intelligence Support to Targeting |
| MEFACE-ANYS-10002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations |
| MEFACE-COLL-10003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| MEFACE-COLL-10004 (MCT 2.2) | Provide Multi - Sensor Imagery Analysis |

Enclosure (1)

| | |
|---|---|
| 2.2 & 2.3) | Products |
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-DISS-10007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10011 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |
| MEFACE-SIGN-10015 (MCT 2.1.3.2.2) | Conduct ELINT Analysis |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 6. Provide Intelligence and METOC Support to Control of Aircraft and Missiles | |
| MEFACE-PLAN-10005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| MEFACE-DISS-10006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| MEFACE-GENI-10008 (MCT 5.3.2.7.6) | Provide Intelligence Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |
| MEFACE-MTOC-10010 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations |
| MEFACE-MTOC-10011 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis |
| MEFACE-MTOC-10012 (MCT 2.5.2.1) | Disseminate Briefs to Higher, Adjacent, and Subordinate Units |
| MEFACE-MTOC-10013 (MCT 2.1.10, MCT 2.6.1.3) | Provide METOC Watch Support to the Tactical Air Command Center (TACC) |
| MEFACE-SIGN-10014 (MCT 2.1.3.2.1) | Conduct COMINT Analysis |
| MEFACE-SIGN-10015 (MCT | Conduct ELINT Analysis |

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| | |
|---|---|
| 2.1.3.2.2) | |
| MEFACE-SIGN-10016 (MCT 2.1.3.2.1) | Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) Operations |
| MET 7. Provide METOC Support to Aviation Ground Support | |
| MEFACE-MTOC-10009 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis |

Event: MEFACE-TRGT-10001 Conduct Intelligence Support to Targeting.

Evaluation coded: Yes Sustainment Interval: 12 Months.

Description: The Target Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell. Although doctrinally found within the Wing-level Air Combat Intelligence Branch, the Target Intelligence Section is an essential component to the intelligence department of an ACE of any echelon.

Condition: With the aid of references, acting as a Target Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Maintain awareness of prioritized targets and target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.

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4. Maintain cumulative BDA, target status and estimates of target regeneration.

5. Identify targets that require re - strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: MEFACE - ANYS - 10002 Provide All-Source Analysis in Support of Aviation Operations

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Analysis Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to Integrated Air - Defense Systems (IADS) and threat aircraft. Additionally, the analysis section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Analysis Intelligence Section, given a mission, Commander's guidance and an Area of Interest (AOI).

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non - conventional threats to/from the air and produce aviation specific threat models.
2. Produce threat zone matrix.
3. Produce Modified Combined Obstacles Overlay (MCOO) that identifies Avenues of Approach, HLZs, DZs and potential engagement areas.

Enclosure (1)

4. Conduct Center of Gravity (COG) Analysis IOT identify critical vulnerabilities.
5. Support personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: MEFACE - COLL - 10003 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The collections section is responsible for receiving ACE intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements. Although doctrinally found within the Wing-level Air Combat Intelligence Branch, the Collections Section is an essential component to the intelligence department of an ACE of any echelon.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product and ensure this information/product is disseminated to the requestor and other appropriate users.

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4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.
6. Manage all Reconnaissance and Surveillance (R&S) assets assigned or made available to the ACE.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.
9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: MEFACE - COLL - 10004 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. 2d MAW requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Conduct post mission analysis to produce Bomb Hit Assessments (BHA) and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination to subordinate elements.
3. Request imagery from national and theater level.
4. Maintain Imagery Product Library (IPL).
5. Provide operator training to subordinate elements on the MAGTF Secondary Imagery Dissemination System (MSIDS) and Visual Exploitation Workstation (VEW).

Event: MEFACE - PLAN - 10005 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Plans Section is responsible for preparing all intelligence annexes and estimates in support of the ACE planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the Marine Corps Planning Process (MCP) and the Rapid Response Planning Process (R2P2) is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Plans Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.

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3. Prepare intelligence annexes for all operations orders and supporting plans developed by the ACE Future Plans Section.
4. Provide the ACE Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the ACE Commander and battle staff by the Future Plans Section.

Event: MEFACE - DISS - 10006 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Dissemination Section is responsible for providing tactical intelligence in the most rapid and appropriate form, to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Dissemination Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: MEFACE - DISS - 10007 Evaluate Aviation Intelligence Support.

Enclosure (1)

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: MEFACE - GENI - 10008 Provide Intelligence Watch Support to the Tactical Air Command Center (TACC).

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The TACCs Intelligence Watch Section (IWS) operates separately from the ACE ACI and consists of a small cell of intelligence personnel drawn from the unit intelligence section but assigned directly to the watch floor of a the TACC's Current Operations Watch Center, in those situations where the TACC is physically displaced from the unit intelligence section's spaces. The purpose of the IWS is threefold; a to provide immediate intelligence support and assessment to the TACC Senior Watch Officer (SWO) during the conduct of operations; b to serve as the liaison between TACC personnel and the unit intelligence section and c to provide redundant intelligence support in the event that communications between the TACC and the unit intelligence section are severed.

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Conditions: With the aid of references, acting as an IWS, given a mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by a Commander.

Event Components:

1. Manage the flow of intelligence and pertinent operational information between the TACC/COC SWO and the unit intelligence section, ensuring that full and efficient use of available communications architecture is employed.
2. As needed, be prepared to manage the assumption of duties as a back-up unit intelligence section should communications with the primary unit intelligence section become severed.
3. Manage the integration and employment of intelligence systems within the systems architecture of the TACC/COC.

Event: MEFACE - MTOC - 10009 Conduct Climatic and Meteorological Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's individual components into a coherent characterization of its current state. Environmental analysis includes scientific comparisons and connotations between the current state of the physical environment versus previously predicted or climatologically conditions to create a coherent, four dimensional characterization of meteorological and oceanographic patterns, phenomena and influences; assimilate and catalog environmental data into a virtual representation of the physical environment's conditions, extrapolate current environmental conditions out to six hours (NOWCAST) and continuously compare actual conditions versus climatologically or predicted conditions to adjust scientific reasoning and algorithms for the operational area. Analysis of the physical environment is the process that MOS trained and qualified personnel use to graphically, digitally and textually portray the past and present conditions and analyze trends, intensity, configuration, position and persistence of meteorological and oceanographic conditions and phenomena.

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Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, Area of Interest (AOI).

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Participate in Rapid Response Planning Process (R2P2) training and Operational Planning Teams (OPT).
2. Coordinate METOC support requirements for the MEF and write an Annex H to the MAW OPOD.
3. Liaise with subordinate METOC units on METOC support procedures.
4. Identify and correct METOC Support deficiencies.
5. Validate METOC impacts for all T/M/S Aircraft and equipment.
6. Provide operational planning products in support of the Intelligence Preparation of the Battlefield (IPB) process within the G-2.
7. Provide climate studies for regions or areas of interest.
8. Produce METOC products for inclusion in daily BUB.

Event: MEFACE - MTOC - 10010 Provide Weather Impacts to Aviation Operations and Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts on both friendly and enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation - impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular

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mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, T/M/S of Aircraft.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Validate T/M/S of Aircraft and equipment and provide updates to the 2d MAW Annex H.
2. Validate T/M/S of Enemy Aircraft and equipment and coordinate with the G-2 to create an enemy impacts matrix.
3. Using the impacts matrix provide an impacts assessment out to 96 hours for inclusion in the intelligence brief for both friendly and enemy.
4. Brief impacts assessments.
5. Create an impact assessment binder to validate impact assessment accuracy for during debriefs.
6. Coordinate with the targeting cell to validate forecasted METOC impacts and any effects on execution of targeting plan.

Event: MEFACE - MTOC - 10011 Provide Atmospheric Effects Prediction Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the process of analytical forecasting to predict and anticipate the physical environment's future conditions and its impacts on electromagnetic propagation. Environmental prediction includes the ability to assimilate, validate, analyze, compare and retain data and

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information to predict future environmental conditions using a combination of Numeric Weather Prediction (NWP) models, knowledge of the terrain and local features and experience to anticipate the physical environment's future conditions. Predicting the physical environment is the process that MOS trained and qualified personnel conduct to graphically, digitally and textually portray a coherent, four dimensional characterization of the physical environment's future state through predicting and anticipating future trends, patterns, positions, intensity and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with G-3 for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the Advanced Refractive Effects Prediction System (AREPS).
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis.
5. Provide input on any meteorological conditions effect radar propagation.

Event: MEFACE - MTOC - 10012 Disseminate Briefs to higher, adjacent and Subordinate Units.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to exchange and integrate knowledge of the physical environment to enhance mission effectiveness. This task supports the ability to attain situational dominance over the physical environment's current and future conditions through effective integration of products and intelligence into the decision-

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making and planning processes. Effective integration entails the interpretation and transformation of products and intelligence by MOS trained and qualified personnel into knowledge and understanding of the physical environment. Effective integration also requires that the user and decision-maker have an operational knowledge to request, utilize and integrate environmental products and intelligence in their decision-making and planning processes. Due to the highly dynamic and complex nature of the physical environment, available environmental products and intelligence may require further amplification, clarification, adjustment or may raise new issues that must be immediately addressed by MOS trained and qualified personnel. Integrating environmental products and intelligence may cause the user or decision-maker to develop and employ new mission tactics, operational concepts or execute branches and sequels to current plans/operations that may require additional or more refined environmental products and intelligence. Dissemination and integration includes the ability to rapidly, consistently and simultaneously incorporate tailored and fused environmental data and information into live, virtual and constructive systems which deliver a shared understanding of the operational environment.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, Force Laydown.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Draft an Annex H to the current operations order.
2. Assign METOC responsibilities in subordinate commands and avenues of METOC coordinate and dissemination.
3. Coordinate with HHQ and subordinate units for coordinated METOC discussions.
4. Validate unity of information between subordinate METOC forecast products and higher commands.
5. Provide feedback to subordinate commands.
6. Provide input to higher level commands on areas of communication shortfalls.

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Event: MEFACE - MTOC - 10013 Provide METOC Watch Support to the Tactical Air Command Center (TACC).

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of METOC support is to accurately and continuously provide a four-dimensional characterization of the physical environment's climatological, current and future predicted states. This task includes the ability to plan, coordinate, conduct and supervise METOC support operations to support the full range of military operations (ROMO). METOC support is the synthesis of several science disciplines that study, analyze and predict the intra/inter-action and relationships between the physical environments (air, sea, land and space) that make up the physical environment. The physical environment must be continuously monitored and evaluated by MOS trained and qualified personnel to gain and maintain situational awareness from the global - scale down to micro-scale levels to support the Marine Corps operational requirements and commitments.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage the flow of METOC Information and pertinent operational information between the TACC/COC SWO and the DASC, TOAC and subordinate METOC elements ensuring that full and efficient use of available communications architecture is employed.
2. As needed, be prepared to manage the assumption of duties as back-up Primary METOC Intelligence Element should communications with the primary METOC Intelligence Element are severed.
3. Manage the integration and employment of METOC systems within the systems architecture of the TACC/COC and Wing communication architecture.

Event: MEFACE - SIGN - 10014 Conduct Communications Intelligence (COMINT) analysis.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: COMINT is technical and intelligence information derived from foreign communications by other than the intended recipients. COMINT is analyzed to identify local threats. This information provides knowledge pertinent in mission planning and operational success.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect COMINT data from national, theater and organic sources.
2. Analyze data.
3. Consolidate COMINT into report.

Event: MEFACE - SIGN - 10015 Conduct ELINT analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Electronic Intelligence (ELINT) is technical and relocation intelligence derived from foreign non - communications electromagnetic radiations emanating from other than nuclear detonations or radioactive sources. ELINT is analyzed to identify local threats to. This information provides knowledge pertinent in mission planning and operational success.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Collect ELINT data from national, theater and organic sources.
2. Analyze data.
3. Consolidate ELINT into a report.

Event: MEFACE - SIGN - 10016 Conduct Tactical Sensitive Compartmented Information Facility (T - SCIF) operations

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: A Tactical Sensitive Compartmented Information Facility (T - SCIF) provides the ability to establish secured communications and process classified information essential to mission accomplishment in garrison or in a field environment. These facilities house Sensitive Compartmented Information (SCI) networks, providing intelligence assets access to critical resources both internal to the military as well as external intelligence agencies.

Condition: With the aid of references, acting as a Systems Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Obtain site location from Commander.
2. Request to establish T-SCIF.
3. Emplacement of physical security parameters.
4. Send T-SCIF activation message.
5. Prepare an Emergency Action Plan (EAP).
6. Review and implement guard procedures.
7. Conduct inventory of all classified materials.
8. Determine location of destruction site.

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9. Brief T-SCIF personnel on security matters.
10. Maintain T-SCIF access roster.
11. Ensure internal T-SCIF communications are established.
12. Conduct final T-SCIF inspection.
13. Declare T-SCIF operational.
14. Sanitize T-SCIF.
15. Coordinate T-SCIF deactivation time.
16. Send T-SCIF deactivation message.

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Chapter 3

9000 Level MEBACE

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| MET 1. Provide Intelligence and METOC Support to Offensive Air Support. | |
| MEBACE-TRGT-9001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEBACE-ANYS-9002 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| MEBACE-COLL-9003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEBACE-COLL-9004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-DISS-9007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 2. Provide Intelligence and METOC Support to Anti-Air Warfare. | |
| MEBACE-TRGT-9001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEBACE-ANYS-9002 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| MEBACE-COLL-9003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEBACE-COLL-9004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-DISS-9007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEBACE-MTOC-9008 (MCT | Conduct Climatic and Meteorological |

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| 2.4.1.1) | Analysis. |
| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-MTOC-9010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| MEBACE-ANYS-9002 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| MEBACE-COLL-9004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-DISS-9007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| MEBACE-TRGT-9001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEBACE-ANYS-9002 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| MEBACE-COLL-9003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEBACE-COLL-9004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-DISS-9007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |

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| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare. | |
| MEBACE-TRGT-9001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEBACE-ANYS-9002 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| MEBACE-COLL-9003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEBACE-COLL-9004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-DISS-9007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-MTOC-9010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 6. Provide Intelligence and METOC Support to Control of Aircraft and Missiles. | |
| MEBACE-PLAN-9005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEBACE-DISS-9006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEBACE-MTOC-9009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEBACE-MTOC-9010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MEBACE-MTOC-9011 (MCT 2.5.2.1) | Disseminate Briefs to Higher, Adjacent, and Subordinate Units. |
| MEBACE-MTOC-9012 (MCT | Provide METOC Watch Support to the |

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| 2.1.10) | Tactical Air Command Center (TACC). |
| MEBACE-SIGN-9013 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 7. Provide METOC Support to Aviation Ground Support. | |
| MEBACE-MTOC-9008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |

Event: MEBACE - TRGT - 9001 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Target Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub - sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as a Target Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.

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6. Identify targets that require re - strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: MEBACE - ANYS - 9002 Provide All - Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Analysis Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the analysis section will present briefs to commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Analysis Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non - conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide Modified Combined Obstacles Overlay (MCOO) that identifies Avenues of Approach, HLZs, DZs and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Support personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.

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6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.

7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: MEBACE - COLL - 9003 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The collections section is responsible for receiving ACE intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements. Although doctrinally found within the Wing - level Air Combat Intelligence Branch, the Collections Section is an essential component to the intelligence department of an ACE of any echelon.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.

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6. Manage all R&S assets assigned or made available to the ACE.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.
9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: MEBACE - COLL - 9004 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The MEB requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination to subordinate elements.
3. Request imagery from national and theater level.

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4. Provide operator training to subordinate elements on the MSIDS and VEW.

Event: MEBACE - PLAN - 9005 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Plans Section is responsible for preparing all intelligence annexes and estimates in support of the ACE planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Plans Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the Rapid Response Planning Process, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the ACE Future Plans Section.
4. Provide the ACE Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the ACE Commander and battlestaff by the Future Plans Section.

Event: MEBACE - DISS - 9006 Develop an Aviation Intelligence Dissemination Plan.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Dissemination Section is responsible for providing tactical intelligence in the most rapid and appropriate form, to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Dissemination Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: MEBACE - DISS - 9007 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

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Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: MEBACE - MTOC - 9008 Conduct Climatic and Meteorological Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's individual components into a coherent characterization of its current state. Environmental analysis includes scientific comparisons and connotations between the current state of the physical environment versus previously predicted or climatological conditions to create a coherent, four dimensional characterization of meteorological and oceanographic patterns, phenomena and influences; assimilate and catalog environmental data into a virtual representation of the physical environment's conditions, extrapolate current environmental conditions out to six hours (NOWCAST); and continuously compare actual conditions versus climatological or predicted conditions to adjust scientific reasoning and algorithms for the operational area. Analysis of the physical environment is the process that MOS trained and qualified personnel use to graphically, digitally and textually portray the past and present conditions and analyze trends, intensity, configuration, position, and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, Area of Interest (AOI).

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Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Participate in R2P2 training and Operational Planning Teams (OPT).
2. Coordinate METOC support requirements for the MEF and write an Annex H to 2d MAW OPORD.
3. Liaise with subordinate METOC units on METOC support procedures.
4. Identify and correct METOC Support deficiencies.
5. Validate METOC impacts for all T/M/S Aircraft and equipment.
6. Provide operational planning products in support of the IPB process within the G-2.
7. Provide climate studies for regions or areas of interest.
8. Produce METOC products for inclusion in daily BUB.

Event: MEBACE - MTOC - 9009 Provide Weather Impacts to Aviation Operations and Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts on both friendly and enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation-impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel.

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Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, T/M/S of Aircraft.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Validate T/M/S of Aircraft and equipment and provide updates to 2d MAW Annex H.
2. Validate T/M/S of Enemy Aircraft and equipment and coordinate with the G-2 to create an enemy impacts matrix.
3. Using the impacts matrix provide an impacts assessment out to 96 hours for inclusion in the intelligence brief for both friendly and enemy.
4. Brief impacts assessments.
5. Create an impact assessment binder to validate impact assessment accuracy for during debriefs.
7. Coordinate with the targeting cell to validate forecasted METOC impacts and any effects on execution of targeting plan.

Event: MEBACE - MTOC - 9010 Provide Atmospheric Effects Prediction Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the process of analytical forecasting to predict and anticipate the physical environment's future conditions and its impacts on electromagnetic propagation. Environmental prediction includes the ability to assimilate, validate, analyze, compare and retain data and information to predict future environmental conditions using a combination of NWP models, knowledge of the terrain and local features and experience to anticipate the physical environment's future conditions. Predicting the physical environment is the process that MOS trained and qualified personnel conduct to

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graphically, digitally and textually portray a coherent, four dimensional characterization of the physical environment's future state through predicting and anticipating future trends, patterns, positions, intensity and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with G-3 for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the Advanced Refractive Effects Prediction System (AREPS).
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis.
5. Provide input on any meteorological conditions effect radar propagation.

Event: MEBACE - MTOC - 9011 Disseminate Briefs to higher, adjacent and Subordinate Units.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to exchange and integrate knowledge of the physical environment to enhance mission effectiveness. This task supports the ability to attain situational dominance over the physical environment's current and future conditions through effective integration of products and intelligence into the decision-making and planning processes. Effective integration entails the interpretation and transformation of products and intelligence by MOS trained and qualified personnel into knowledge and understanding of the physical environment. Effective integration also requires that the user and decision-maker have an operational knowledge to request, utilize and

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integrate environmental products and intelligence in their decision-making and planning processes. Due to the highly dynamic and complex nature of the physical environment, available environmental products and intelligence may require further amplification, clarification, adjustment or may raise new issues that must be immediately addressed by MOS trained and qualified personnel. Integrating environmental products and intelligence may cause the user or decision-maker to develop and employ new mission tactics, operational concepts or execute branches and sequels to current plans/operations that may require additional or more refined environmental products and intelligence. Dissemination and integration includes the ability to rapidly, consistently and simultaneously incorporate tailored and fused environmental data and information into live, virtual and constructive systems which deliver a shared understanding of the operational environment.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, Force Laydown.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Draft an Annex H to the current operations order.
2. Assign METOC responsibilities in subordinate commands and avenues of METOC coordinate and dissemination.
3. Coordinate with HHQ and subordinate units for coordinated METOC discussions.
4. Validate unity of information between subordinate METOC forecast products and higher commands.
5. Provide feedback to subordinate commands.
6. Provide input to higher level commands on areas of communication shortfalls.

Event: MEBACE - MTOC - 9012 Provide METOC Watch Support to the Tactical Air Command Center (TACC).

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The primary task of METOC support is to accurately and continuously provide a four - dimensional characterization of the physical environment's climatological, current and future predicted states. This task includes the ability to plan, coordinate, conduct, and supervise METOC support operations to support the full range of military operations (ROMO). METOC support is the synthesis of several science disciplines that study, analyze and predict the intra/inter-action and relationships between the physical environments (air, sea, land, and space) that make up the physical environment. The physical environment must be continuously monitored and evaluated by MOS trained and qualified personnel to gain and maintain situational awareness from the global - scale down to micro - scale levels to support the Marine Corps' operational requirements and commitments.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage the flow of METOC Information and pertinent operational information between the TACC/COC SWO and the DASC, TOAC and subordinate METOC elements ensuring that full and efficient use of available communications architecture is employed.
2. As needed, be prepared to manage the assumption of duties as back - up Primary METOC Intelligence Element should communications with the primary METOC Intelligence Element are severed.
3. Manage the integration and employment of METOC systems within the systems architecture of the TACC/COC and Wing communication architecture.

Event: MEBACE - SIGN - 9013 Request Signals Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for SIGINT product support to the commander. This includes COMINT, ELINT

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and Measurement and Signature Intelligence (MASINT). However, most intelligence sections do not have SIGINT Marines assigned. Therefore, it is inherent that an intelligence section has the ability to request the proper support from MEF via the Radio Battalion Operational Control and Analysis Center (OCAC).

Condition: With the aid of references, acting as an Intelligence Section, given a mission and Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish liaison with Radio Battalion OCAC.
2. Identify SIGINT product requirements from higher, lower and adjacent units.
3. Identify internal SIGINT product requirements.
4. Prioritize SIGINT product requirements.
5. Utilizing the Request for Information (RFI) process, request SIGINT support from Radio Battalion OCAC.

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Chapter 4

8000 Level MAG

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| MET 1. Provide Intelligence and METOC Support to Offensive Air Support. | |
| MAG-TRGT-8001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MAG-ANYS-8002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MAG-COLL-8003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MAG-COLL-8004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MAG-PLAN-8005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MAG-DISS-8006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MAG-DISS-8007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MAG-MTOC-8008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MAG-MTOC-8009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MAG-SIGN-8011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 2. Provide Intelligence and METOC Support to Anti - Air Warfare. | |
| MAG-TRGT-8001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MAG-ANYS-8002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MAG-COLL-8003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MAG-COLL-8004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MAG-PLAN-8005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MAG-DISS-8006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MAG-DISS-8007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MAG-MTOC-8008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MAG-MTOC-8009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |

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| MAG-MTOC-8010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MAG-SIGN-8011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| MAG-ANYS-8002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MAG-COLL-8004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MAG-PLAN-8005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MAG-DISS-8006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MAG-DISS-8007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MAG-MTOC-8008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MAG-MTOC-8009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MAG-SIGN-8011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| MAG-TRGT-8001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MAG-ANYS-8002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MAG-COLL-8003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MAG-COLL-8004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MAG-PLAN-8005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MAG-DISS-8006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MAG-DISS-8007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MAG-MTOC-8008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MAG-MTOC-8009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MAG-SIGN-8011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare. | |
| MAG-TRGT-8001 (MCT 2.1) | Provide Intelligence Support to |

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| | Targeting. |
| MAG-ANYS-8002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MAG-COLL-8003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| MAG-COLL-8004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MAG-PLAN-8005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MAG-DISS-8006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MAG-DISS-8007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MAG-MTOC-8008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MAG-MTOC-8009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MAG-MTOC-8010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MAG-SIGN-8011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |

Event: MAG-TRGT-8001 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive group targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders, as required.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: MAG-ANYS-8002 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the analysis section will present briefs to commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

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Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach, HLZs, DZs and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Support subordinate units and flight crews with personnel recovery, evasion plan of action and risk of isolation briefs.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: MAG-COLL-8003 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for receiving group intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.

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2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Manage all R&S assets assigned or made available to the group.
6. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
7. Develop and maintain a Collections Synchronization Matrix.
8. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: MAG-COLL-8004 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The group requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

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Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re - strikes.
2. Request imagery products from higher for dissemination to subordinate elements.
3. Request imagery from national and theater level.
4. Provide operator training to subordinate elements on the MSIDS and VEW.

Event: MAG-PLAN-8005 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the group planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.

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3. Prepare intelligence annexes for all operations orders and supporting plans developed by the ACE Future Plans Section.
4. Provide the Group Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Group Commander and battlestaff by the Future Plans Section.

Event: MAG-DISS-8006 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form, to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all - source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

EVENT COMPONENTS:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: MAG-DISS-8007 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment interval: 12 Months.

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Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: MAG-MTOC-8008 Conduct Climatic and Meteorological Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's individual components into a coherent characterization of its current state. Environmental analysis includes scientific comparisons and connotations between the current state of the physical environment versus previously predicted or climatological conditions to create a coherent, four dimensional characterization of meteorological and oceanographic patterns, phenomena and influences; assimilate and catalog environmental data into a virtual representation of the physical environment's conditions, extrapolate current environmental conditions out to six hours (NOWCAST); and continuously compare actual conditions versus climatological or predicted conditions to adjust scientific reasoning and

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algorithms for the operational area. Analysis of the physical environment is the process that MOS trained and qualified personnel use to graphically, digitally and textually portray the past and present conditions and analyze trends, intensity, configuration, position and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Participate in R2P2 training and OPT.
2. Coordinate METOC support requirements for the MEF and write an Annex H to 2d MAW OPORD.
3. Liaise with subordinate METOC units on METOC support procedures.
4. Identify and correct METOC Support deficiencies.
5. Validate METOC impacts for all Type/Model/Series Aircraft and equipment.
6. Provide operational planning products in support of the IPB process within the G-2.
7. Provide climate studies for regions or areas of interest.
8. Produce METOC products for inclusion in daily BUB.

Event: MAG-MTOC-8009 Provide Weather Impacts to Aviation Operations and Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts on both friendly and enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and

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mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation - impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, T/M/S of Aircraft.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Validate T/M/S of Aircraft and equipment and provide updates to 2d MAW Annex H.
2. Validate T/M/S of Enemy Aircraft and equipment and coordinate with the G-2 to create an enemy impacts matrix.
3. Using the impacts matrix provide an impacts assessment out to 96 hours for inclusion in the intelligence brief for both friendly and enemy.
4. Brief impacts assessments.
5. Create an impact assessment binder to validate impact assessment accuracy for during debriefs.
6. Coordinate with the targeting cell to validate forecasted METOC impacts and any effects on execution of targeting plan.

Event: MAG-MTOC-8010 Provide Atmospheric Effects Prediction Analysis.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the process of analytical forecasting to predict and anticipate the physical environment's future conditions and its impacts on electromagnetic propagation. Environmental prediction includes the ability to assimilate, validate, analyze, compare and retain data and information to predict future environmental conditions using a combination of NWP models, knowledge of the terrain and local features and experience to anticipate the physical environment's future conditions. Predicting the physical environment is the process that MOS trained and qualified personnel conduct to graphically, digitally and textually portray a coherent, four dimensional characterization of the physical environment's future state through predicting and anticipating future trends, patterns, positions, intensity and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with G-3 for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis.
5. Provide input on any meteorological conditions effect radar propagation.

Event: MAG-SIGN-8011 Request Signals Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for SIGINT product support to the Commander. This includes COMINT, ELINT

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and MASINT. However, most intelligence sections do not have SIGINT Marines assigned. Therefore, it is inherent that an intelligence section has the ability to request the proper support from MEF via the Radio Battalion OCAC.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish liaison with Radio Battalion OCAC.
2. Identify SIGINT product requirements from higher, lower and adjacent units.
3. Identify internal SIGINT product requirements.
4. Prioritize SIGINT product requirements.
5. Utilizing the RFI process, request SIGINT support from Radio Battalion OCAC.

Chapter 5

7000 Level MEUACE

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| MET 1. Provide Intelligence and METOC Support to Offensive Air Support. | |
| MEUACE-TRGT-7001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEUACE-MTOC-7008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEUACE-MTOC-7009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 2. Provide Intelligence and METOC Support to Anti - Air Warfare. | |
| MEUACE-TRGT-7001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEUACE-MTOC-7008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEUACE-MTOC-7009 (MCT | Provide Weather Impacts to Aviation |

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| 2.4.5.1) | Operations and Threat Operations. |
| MEUACE-MTOC-7010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| MEUACE-MTOC-7008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEUACE-MTOC-7009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| MEUACE-TRGT-7001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare. | |
| MEUACE-TRGT-7001 (MCT | Provide Intelligence Support to |

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| 2.1) | Targeting. |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |
| MET 6. Provide Intelligence and METOC Support to Control of Aircraft and Missiles. | |
| MEUACE-TRGT-7001 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| MEUACE-ANYS-7002 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| MEUACE-COLL-7003 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| MEUACE-COLL-7004 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| MEUACE-PLAN-7005 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| MEUACE-DISS-7006 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| MEUACE-DISS-7007 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| MEUACE-MTOC-7008 (MCT 2.4.1.1) | Conduct Climatic and Meteorological Analysis. |
| MEUACE-MTOC-7009 (MCT 2.4.5.1) | Provide Weather Impacts to Aviation Operations and Threat Operations. |
| MEUACE-MTOC-7010 (MCT 2.1.10.1) | Provide Atmospheric Effects Prediction Analysis. |
| MEUACE-SIGN-7011 (MCT 2.1.3.2) | Request Signals Intelligence Support. |

Event: MEUACE-TRGT-7001 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Target Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell, and the battle damage assessment cell. Although doctrinally found within the Wing-level Air Combat Intelligence Branch, the Target Intelligence Section is an essential component to the intelligence department of an ACE of any echelon.

Condition: With the aid of references, acting as a Target Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders, as required.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: MEUACE-ANYS-7002 Provide All-Source Analysis in Support of Aviation Operations.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Analysis Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the analysis section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Analysis Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Produce threat zone matrix.
3. Produce Modified Combined Obstacles Overlay (MCOO) that identifies Avenues of Approach, HLZs, DZs and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Produce personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

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Event: MEUACE-COLL-7003 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The collections section is responsible for receiving ACE intelligence requirements, formulating detailed collections plans, and tasking/requesting collection assets to satisfy those requirements. Although doctrinally found within the Wing - level Air Combat Intelligence Branch, the Collections Section is an essential component to the intelligence department of an ACE of any echelon.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.
6. Manage all R&S assets assigned or made available to the ACE.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.

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9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: MEUACE-COLL-7004 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The MEU ACE requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as a Collections Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination to subordinate elements.
3. Request imagery from national and theater level.

Event: MEUACE-PLAN-7005 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Plans Section is responsible for preparing all intelligence annexes and estimates in support of the ACE planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Plans Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the ACE Future Plans Section, as required.
4. Provide the ACE Future Plans Section updated intelligence asset availability and status, as required.
5. Prepare and deliver the intelligence portion of all briefs provided to the ACE Commander and battlestaff by the Future Plans Section, as required.

Event: MEUACE-DISS-7006 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Dissemination Section is responsible for providing tactical intelligence in the most rapid and appropriate form, to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include

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diagrams, imagery products, all - source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Dissemination Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: MEUACE-DISS-7007 Evaluate Aviation Intelligence Support

EVALUATION CODED: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: MEUACE-MTOC-7008 Conduct Climatic and Meteorological Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's individual components into a coherent characterization of its current state. Environmental analysis includes scientific comparisons and connotations between the current state of the physical environment versus previously predicted or climatological conditions to create a coherent, four dimensional characterization of meteorological and oceanographic patterns, phenomena and influences; assimilate and catalog environmental data into a virtual representation of the physical environment's conditions, extrapolate current environmental conditions out to six hours (NOWCAST); and continuously compare actual conditions versus climatological or predicted conditions to adjust scientific reasoning and algorithms for the operational area. Analysis of the physical environment is the process that MOS trained and qualified personnel use to graphically, digitally and textually portray the past and present conditions and analyze trends, intensity, configuration, position and persistence of meteorological and oceanographic conditions and phenomena.

Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Participate in R2P2 training and OPT.
2. Coordinate METOC support requirements for the MEF and write an Annex H to 2d MAW OPORD.
3. Liaise with subordinate METOC units on METOC support procedures.
4. Identify and correct METOC Support deficiencies.
5. Validate METOC impacts for all T/M/S Aircraft and equipment.
6. Provide operational planning products in support of the IPB process within the G-2.
7. Provide climate studies for regions or areas of interest.
8. Produce METOC products for inclusion in daily BUB.

Event: MEUACE-MTOC-7009 Provide Weather Impacts to Aviation Operations and Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts on both friendly and enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation - impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

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Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, Commander's guidance, AOI, T/M/S of Aircraft.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Validate T/M/S of Aircraft and equipment and provide updates to 2d MAW Annex H.
2. Validate T/M/S of Enemy Aircraft and equipment and coordinate with the G-2 to create an enemy impacts matrix.
3. Using the impacts matrix provide an impacts assessment out to 96 hours for inclusion in the intelligence brief for both friendly and enemy.
4. Brief impacts assessments.
5. Create an impact assessment binder to validate impact assessment accuracy for during debriefs.
6. Coordinate with the targeting cell to validate forecasted METOC impacts and any effects on execution of targeting plan.

Event: MEUACE-MTOC-7010 Provide Atmospheric Effects Prediction Analysis.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the process of analytical forecasting to predict and anticipate the physical environment's future conditions and its impacts on electromagnetic propagation. Environmental prediction includes the ability to assimilate, validate, analyze, compare and retain data and information to predict future environmental conditions using a combination of NWP models, knowledge of the terrain and local features and experience to anticipate the physical environment's future conditions. Predicting the physical environment is the process that MOS trained and qualified personnel conduct to graphically, digitally and textually portray a coherent, four dimensional characterization of the physical environment's future state through predicting and anticipating future trends, patterns, positions, intensity and persistence of meteorological and oceanographic conditions and phenomena.

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Condition: With the aid of references, acting as a METOC Intelligence section within the G-2, given a mission, commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with G-3 for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis.
5. Provide input on any meteorological conditions effect radar propagation.

Event: MEUACE-SIGN-7011 Request Signals Intelligence Support.

Evaluation Coed: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for SIGINT product support to the Commander. This includes COMINT, ELINT and MASINT. However, most intelligence sections do not have SIGINT Marines assigned. Therefore, it is inherent that an intelligence section has the ability to request the proper support from MEF via the Radio Battalion OCAC.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish liaison with Radio Battalion OCAC.
2. Identify SIGINT product requirements from higher, lower and adjacent units.

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3. Identify internal SIGINT product requirements.
4. Prioritize SIGINT product requirements.
5. Utilizing the RFI process, request SIGINT support from Radio Battalion OCAC.

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Chapter 6

6100 Level F/A-18

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| MET 1. Provide Intelligence and METOC Support to Offensive Air Support. | |
| SQDN-TRGT-6101 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| SQDN-ANYS-6102 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6103 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| SQDN-COLL-6104 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| SQDN-PLAN-6105 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6106 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6107 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-GENI-6108 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Fighter Attack Squadron Operations. |
| SQDN-MTOC-6109 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observation. |
| SQDN-MTOC-6110 (MCT 2.1.10.1, MCT 2.4.5.1) | Provide METOC Strike Package. |
| SQDN-MTOC-6111 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for IADS analysis. |
| SQDN-MTOC-6112 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR). |
| SQDN-MTOC-6113 (MCT 2.4.5.1) | Provide Electro-Optical Decision Aid (EOTDA) Analysis. |
| SQDN-MTOC-6114 (MCT 2.1.10.1) | Provide En-route and Time-On-Target forecast. |
| MET 2. Provide Intelligence and METOC Support to Anti-Air Warfare. | |
| SQDN-TRGT-6101 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| SQDN-ANYS-6102 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6103 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| SQDN-COLL-6104 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |

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| SQDN-PLAN-6105 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6106 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6107 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-GENI-6108 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Fighter Attack Squadron Operation. |
| SQDN-MTOC-6109 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations. |
| SQDN-MTOC-6111 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for IADS analysis. |
| SQDN-MTOC-6112 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR). |
| MET 3. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| SQDN-TRGT-6101 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| SQDN-ANYS-6102 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6103 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| SQDN-COLL-6104 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products. |
| SQDN-PLAN-6105 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6106 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6107 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-GENI-6108 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Fighter Attack Squadron Operations. |
| SQDN-MTOC-6109 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations. |
| SQDN-MTOC-6114 (MCT 2.1.10.1) | Provide En-route and Time-On-Target forecast. |
| SQDN-MTOC-6115 (MCT 2.4.5.1) | Provide METOC Tactical Decision Aids on Multi-Sensor/Platform Reconnaissance. |

Event: SQDN-TRGT-6101 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell, and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re - strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: SQDN-ANYS-6102 Provide All - Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Produce threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Produce personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6103 Provide Intelligence Support to Aviation Collection Management.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, requesting organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Manage all R&S assets assigned or made available to the Squadron.
6. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.

Event: SQDN-COLL-6104 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the

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location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

Event: SQDN-PLAN-6105 Provide Intelligence Support to Aviation Planning.

Evolution Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

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1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.
4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6106 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all - source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).

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3. Develop and publish system for delivering intelligence products that satisfies requirements.

4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6107 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commander's intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6108 Provide Intelligence Support to Fixed Wing Fighter Attack Squadron Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, fixed-wing squadrons include the Marine Attack Squadron (VMA), Marine Fighter Attack Squadron (VMFA) and Marine Fighter Attack Squadron - All Weather (VMFA [AW]). These aircraft perform the primary roles of Anti - Air Warfare, Offensive Air Support and Aerial Reconnaissance, though they provide general support to Electronic Warfare, Assault Support and Control of Aircraft and

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Missiles. The VMA/VMFA/VMFA (AW) intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconventional environments.

Condition: With the aid of references, acting as a VMA/VMFA/VMFA (AW) Intelligence Section, provided an area of interest, mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.
3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all - source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers, Planning Coordinators and Escort Flight Leaders and Strike Flight Leaders.
5. Provide intelligence information to support the development of Strike Mission Concept of Operations (ConOps) matrices.
6. Establish and maintain the enemy situation board either graphically or digitally.
7. Assess the enemy ground composition and disposition in order to provide intelligence support to fire support planning, targeting and weaponeering.
8. Conduct tailored mission briefs for aircrew.
9. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
10. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective aerial reconnaissance and intelligence collection against squadron and higher NAIs.

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11. As required, establish or provide support to the Flightline Intelligence Center (FLIC).

12. As required, provide intelligence support to a Carrier Intelligence Center (CVIC).

Event: SQDN-MTOC-6109 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non - environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish the ICAO or World Meteorological Code (WMO) for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.

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5. Establish a logistics plan for embarkation and movement of sensing instruments.

6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6110 Provide METOC Strike Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the performance of METF-3304 in the Training and Readiness Manual to specific Offensive Air Support (OAS) Operations. METOC products are tailored to specific mission sets and type, model, series of aircraft. The two categories of OAS operations are Close Air Support (CAS) and Deep Air Support (DAS). In order for METOC support to be effective, it must facilitate and enhance air superiority, Suppression of Enemy Air Defenses (SEAD), targeting, marking, weaponeering and support effective control. All METOC support must be flexible to support the pre-planned and immediate missions of the ACE.

Condition: With the aid of references, acting as a METOC Intelligence section, given a specific mission, given a targeting area, given a target list.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.
2. Produce a tailored METOC support product for an aviation strike brief.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the MCOO for any impacts that severe weather could create (flash floods, hurricanes/typhoons, extreme snow fall, blizzards/sand storms).
5. Provide input on any environmental impacts to COG for both enemy and friendly units.

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6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.

7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6111 Provide Atmospheric Refractive Effects Prediction Products for IADS analysis or EW Attack.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: AREPS computes and displays radar probability of detection, propagation loss and signal to noise ratios, ESM vulnerability, UHF/VHF communications and surface - borne surface - search radar capability versus range, height and bearing from the transmitter. Computing and creating effective AREPS products will allow Commanders to understand the meteorological impacts on friendly Air Defense posture and enemy vulnerabilities in integrated air defense. Understanding these effects will allow friendly forces to cover gaps and allow commanders to exploit enemy air defenses.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with HHQ for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis or inclusion in a strike package to suppress enemy air defenses.
5. Provide input on any meteorological conditions effecting radar propagation.

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Event: SQDN-MTOC-6112 Provide Climatology for Personnel Recovery (PR) Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the PR package.
4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6113 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically impacts electro - optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only

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provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.
2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
3. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

Event: SQDN-MTOC-6114 Provide En-route and Time - On - Target Forecast.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination and recover from that destination will need full METOC services for awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the pilot's route for take - off, en - route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

Event: SQDN-MTOC-6115 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically impacts electro - optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.

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2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
5. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

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CHAPTER 7

6200 Level EA-6B

| MET 2. Provide Intelligence and METOC Support to Anti-Air Warfare | |
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| SQDN-TRGT-6201 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6202 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6203 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6204 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6205 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6206 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6207 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6208 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Electronic Warfare Squadron Operations |
| SQDN-MTOC-6209 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations |
| SQDN-MTOC-6210 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for IADS analysis |
| SQDN-MTOC-6211 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR) |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance | |
| SQDN-TRGT-6201 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6202 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6203 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6204 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |

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| SQDN-PLAN-6205 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6206 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6207 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6208 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Electronic Warfare Squadron Operations |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare | |
| SQDN-TRGT-6201 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6202 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6203 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6204 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6205 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6206 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6207 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6208 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Electronic Warfare Squadron Operations |
| SQDN-MTOC-6209 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations |
| SQDN-MTOC-6210 (MCT 2.1.10.1, MCT 2.4.5.1) | Provide METOC Strike Package |
| SQDN-MTOC-6211 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for IADS analysis |
| SQDN-MTOC-6212 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR) |
| SQDN-MTOC-6213 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for EW Attack |

Event: SQDN-TRGT-6201 Conduct Intelligence Support to Targeting.

Enclosure (1)

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders. Provide target data to Future Operations and ATO Development Cell strike planners.
3. Process missions reports and weapon systems video to conduct initial battle damage assessment.
4. Maintain cumulative BDA, target status and estimates of target regeneration.
5. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

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Event: SQDN-ANYS-6202 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Events Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models Produce threat zone matrix.
2. Produce MCOO that identifies Avenues of Approach and potential engagement areas.
3. Conduct COG Analysis IOT identify critical vulnerabilities.
4. Produce personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
5. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.

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6. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6203 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes SUSTAINMENT INTERVAL: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.

6. Manage all R&S assets assigned or made available to the Squadron.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.
9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: SQDN-COLL-6204 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

Event: SQDN-PLAN-6205 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.

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4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6206 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Events: SQDN-DISS-6207 Evaluate Aviation Intelligence Support.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6208 Provide Intelligence Support to Electronic Warfare Squadron Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, the Marine Electronic Warfare Squadron (VMAQ) fulfills the primary roles of Electronic Warfare, Aerial Reconnaissance and Anti-Air Warfare, though they provide general support to Offensive Air Support, Assault Support, and Control of Aircraft and Missiles. The VMAQ intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconventional environments.

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Condition: With the aid of references, acting as a VMAQ Intelligence Section, provided and area of interest, mission, and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.
3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all-source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers and Planning Coordinators.
5. In coordination with the squadron Electronic Warfare Officer, provide specific intelligence products in support of electronic warfare which include all relevant technical and parametric data (including doctrinally known and actual observed data) concerning targeted enemy systems.
6. Establish and maintain the enemy situation board either graphically or digitally.
7. Establish and maintain an intelligence RFI submission and tracking system within the squadron.
8. Conduct tailored mission briefs for aircrew.
9. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
10. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective electronic support (intelligence collection) against squadron and higher targets.
11. As required, establish or provide support to the FLIC.

12. Employ the TCAC system to process, exploit and disseminate organically generated signals intelligence products in support of MAGTF and other external requirements.

Event: SQDN-MTOC-6209 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes SUSTAINMENT INTERVAL: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non-environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish the ICAO or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.

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5. Establish a logistics plan for embarkation and movement of sensing instruments.

6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6210 Provide METOC Strike Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the performance of METF-3304 in the Training and Readiness Manual to specific OAS Operations. METOC products are tailored to specific mission sets and type, model, series of aircraft. The two categories of OAS operations are CAS and DAS. In order for METOC support to be effective, it must facilitate and enhance air superiority, SEAD, targeting, marking, weaponeering and support effective control. All METOC support must be flexible to support the pre-planned and immediate missions of the ACE.

Condition: With the aid of references, acting as a METOC Intelligence section, given a specific mission, given a targeting area, given a target list.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.
2. Produce a tailored METOC support product for an aviation strike brief.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the MCOO for any impacts that severe weather could create (flash floods, hurricanes/typhoons, extreme snow fall, blizzards/sand storms).

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5. Provide input on any environmental impacts to COG for both enemy and friendly units.

6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.

7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6211 Provide Atmospheric Refractive Effects Prediction Products for IADS analysis or EW Attack.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: AREPS computes and displays radar probability of detection, propagation loss and signal to noise ratios, ESM vulnerability, UHF/VHF communications and surface-borne surface-search radar capability versus range, height and bearing from the transmitter. Computing and creating effective AREPS products will allow Commanders to understand the meteorological impacts on friendly Air Defense posture and enemy vulnerabilities in integrated air defense. Understanding these effects will allow friendly forces to cover gaps and allow Commanders to exploit enemy air defenses.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with HHQ for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.

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4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis or inclusion in a strike package to suppress enemy air defenses.

5. Provide input on any meteorological conditions effecting radar propagation.

Event: SQDN-MTOC-6212 Provide Climatology for PR Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the Personnel Recovery package.
4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6213 Provide Atmospheric Refractive Effects Prediction Products for IADS analysis or EW Attack.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: AREPS computes and displays radar probability of detection, propagation loss and signal to noise ratios, ESM vulnerability, UHF/VHF communications and surface-borne surface-search radar capability versus range, height and bearing from the transmitter. Computing and creating effective AREPS products will allow Commanders to understand the meteorological impacts on friendly Air Defense posture and enemy vulnerabilities in integrated air defense. Understanding these effects will allow friendly forces to cover gaps and allow commanders to exploit enemy air defenses.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with HHQ for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis or inclusion in a strike package to suppress enemy air defenses.
5. Provide input on any meteorological conditions effecting radar propagation.

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CHAPTER 8

6300 Level AV-8B

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| MET 1. Provide Intelligence and METOC Support to Offensive Air Support | |
| SQDN-TRGT-6301 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6302 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6303 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6304 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6305 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6306 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6307 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6308 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Attack Squadron Operations |
| SQDN-MTOC-6309 (MCT 2.2:1.9) | Provide Weather Forecasts and Hourly Observations |
| SQDN-MTOC-6310 (MCT 2.1.10.1, MCT 2.4.5.1) | Provide METOC Strike Package |
| SQDN-MTOC-6311 (MCT 2.4.5.1) | Provide Atmospheric Refractive Effects Prediction Products for IADS analysis |
| SQDN-MTOC-6312 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR) |
| SQDN-MTOC-6313 (MCT 2.4.5.1) | Provide Electro-Optical Decision Aid (EOTDA) Analysis |
| SQDN-MTOC-6314 (MCT 2.1.10.1) | Provide Enroute and Time-On-Target forecast |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance | |
| SQDN-TRGT-6301 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6302 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |

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| SQDN-COLL-6303 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6304 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6305 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6306 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6307 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6308 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Attack Squadron Operations |
| MET 5. Provide Intelligence and METOC Support to Electronic Warfare | |
| SQDN-TRGT-6301 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6302 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6303 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6304 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6305 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6306 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6307 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6308 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Attack Squadron Operations |

Event: SQDN-TRGT-6301 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and

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matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Component:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: SQDN-ANYS-6302 Provide All-Source Analysis in Support of Aviation Operations.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Produce personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.

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7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6303 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.

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6. Manage all R&S assets assigned or made available to the Squadron.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.
9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: SQDN-COLL-6304 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

Event: SQDN-PLAN-6305 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort, and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.

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4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.

5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6306 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6307 Evaluate Aviation Intelligence Support.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6308 Provide Intelligence Support to Fixed Wing Fighter Attack Squadron Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, fixed-wing squadrons include the Marine Attack Squadron (VMA), Marine Fighter Attack Squadron (VMFA) and Marine Fighter Attack Squadron - All Weather (VMFA [AW]). These aircraft perform the primary roles of Anti-Air Warfare, Offensive Air Support and Aerial Reconnaissance, though they provide general support to Electronic Warfare, Assault Support and Control of Aircraft and

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Missiles. The VMA/VMFA/VMFA (AW) intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconventional environments.

Conditions: With the aid of references, acting as a VMA/VMFA/VMFA (AW) Intelligence Section, provided an area of interest, mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.
3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all-source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers, Planning Coordinators and Escort Flight Leaders and Strike Flight Leaders.
5. Provide intelligence information to support the development of Strike Mission Concept of Operations (ConOps) matrices.
6. Establish and maintain the enemy situation board either graphically or digitally.
7. Assess the enemy ground composition & disposition in order to provide intelligence support to fire support planning, targeting and weaponeering.
8. Conduct tailored mission briefs for aircrew.

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9. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
10. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective aerial reconnaissance and intelligence collection against squadron and higher NAIs.
11. As required, establish or provide support to the FLIC.
12. As required, provide intelligence support to a CVIC.

Event: SQDN-MTOC-6309 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space, and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non-environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Establish the International Civil Aviation Organization (ICAO) or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.
5. Establish a logistics plan for embarkation and movement of sensing instruments.
6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6310 Provide METOC Strike Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the performance of METF-3304 in the Training and Readiness Manual to specific OAS Operations. METOC products are tailored to specific mission sets and type, model, series of aircraft. The two categories of OAS operations are CAS and DAS. In order for METOC support to be effective, it must facilitate and enhance air superiority, SEAD, targeting, marking, weaponeering and support effective control. All METOC support must be flexible to support the pre-planned and immediate missions of the ACE.

Condition: With the aid of references, acting as a METOC Intelligence section, given a specific mission, given a targeting area, given a target list.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.
2. Produce a tailored METOC support product for an aviation strike brief.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the MCOO for any impacts that severe weather could create (flash floods, hurricanes/typhoons, extreme snow fall, blizzards/sand storms).
5. Provide input on any environmental impacts to COG for both enemy and friendly units.
6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6311 Provide Atmospheric Refractive Effects Prediction Products for IADS analysis or EW Attack.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: AREPS computes and displays radar probability of detection, propagation loss and signal to noise ratios, ESM vulnerability, UHF/VHF communications and surface-borne surface-search radar capability versus range, height and bearing from the transmitter. Computing and creating effective AREPS products will allow Commanders to understand the meteorological impacts on friendly Air Defense posture and enemy vulnerabilities in integrated air defense. Understanding these effects will allow friendly forces to cover gaps and allow commanders to exploit enemy air defenses.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance,

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AOI, Friendly Radar Parameters, Enemy Radar Parameters, IAD analysis from G-2.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the IAD analysis provided by G-2.
2. Coordinate with HHQ for friendly radar positions.
3. Coordinate with the Intelligence Analysts for enemy and friendly radar parameters for input into the AREPS.
4. Produce AREPS products for inclusion in friendly and enemy Air Defense Analysis or inclusion in a strike package to suppress enemy air defenses.
5. Provide input on any meteorological conditions effecting radar propagation.

Event: SQDN-MTOC-6312 Provide Climatology for PR Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the PR package.
4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6313 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically impacts electro-optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.

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2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
5. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

Event: SQDN-MTOC-6314 Provide Enroute and Time-On-Target forecast.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination and recover from that destination will need full METOC services for awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Review the pilot's route for take-off, en-route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

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| 2.2.1.9) | Observations |
| SQDN-MTOC-6410 (MCT 2.5.2.1) | Provide Critical Weather Effects to Threat Operations |
| SQDN-MTOC-6411 (MCT 2.1.10.1; MCT 2.4.5.1) | Provide METOC Assault Support Package |
| SQDN-MTOC-6412 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR) |
| SQDN-MTOC-6413 (MCT 2.4.5.1) | Provide Electro-Optical Decision Aid (EOTDA) Analysis |
| SQDN-MTOC-6414 (MCT 2.1.10.1) | Provide Enroute and Time-On-Target forecast |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance | |
| SQDN-TRGT-6401 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6402 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6403 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6404 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6405 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6406 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6407 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6408 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Fixed Wing Assault Support Squadron Operations |

Event: SQDN-TRGT-6401 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into

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account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: SQDN-ANYS-6402 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Provide personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

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Event: SQDN-COLL-6403 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans, and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, request organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Manage all R&S assets assigned or made available to the Squadron.
6. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.

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7. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: SQDN-COLL-6404 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

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Event: SQDN-PLAN-6405 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.
4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6406 Develop an Aviation Intelligence Dissemination Plan.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6407 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding

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the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6408 Provide Intelligence Support to Fixed Wing Assault Support Squadron Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, the Marine Aerial Refueler and Transport Squadron (VMGR) fulfills the primary roles of Assault Support, a specified support role Control of Aircraft and Missiles (carrying the Direct Air Support Center - Airborne) and provides general support to Anti-Air Warfare, Electronic Warfare, Offensive Air Support and Aerial Reconnaissance. The VMGR intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconditional environments.

Condition: With the aid of references, acting as a VMGR Intelligence Section, provided an area of interest, mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by a Commander.

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Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.
3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all-source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers and Planning Coordinators.
5. Establish and maintain the enemy situation board either graphically or digitally.
6. Establish and maintain an intelligence RFI submission and tracking system within the squadron.
7. Conduct tailored mission briefs for aircrew.
8. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
9. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective aerial reconnaissance and intelligence collection against squadron and higher NAIs.
10. As required, establish or provide support to the FLIC.

Event: SQDN-MTOC-6409 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena, and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space,

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and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non-environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish the ICAO or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.
5. Establish a logistics plan for embarkation and movement of sensing instruments.
6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6410 Provide Critical Weather Effects to Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental

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parameters/conditions and identify associated environmental impacts to enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation-impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on enemy operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Enemies COG, Enemy equipment impacts matrix.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Coordinate with HHQ METOC for an enemy impacts matrix.
2. Forecast the weather conditions for the Enemy AOI.
3. Request the Enemy Center of Gravity analysis from HHQ.
4. Develop a forecast and impact matrix on enemy activity with the Enemy Area of Operation and AOI.
5. Include the product with the Intelligence analysis of enemy impacts and equipment threats.

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Events: SQDN-MTOC-6411 Provide METOC Assault Support Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the production of METOC products that fall in line with Aviation Assault Support operations. Assault support in aviation operations is the performance of Air delivery, Ariel Refueling, Air Evacuation, TRAP and Air Logistical Support. This function can be performed in a routine nature requiring routine support or this function can be complex and require a complex support package. Weather has a historically significant impact on Assault Support operations and will continue to rely on accurate METOC support for operational execution.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.
2. Produce a tailored METOC support product for the specific Aviation Assault Support mission.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the specific platforms and delivery methods for rotary wing and fixed wing aircraft.
5. Provide input on any environmental impacts to COG for both enemy and friendly units.
6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.

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7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6412 Provide Climatology for PR Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the Personnel Recovery package.
4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6413 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the

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environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically impacts electro-optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.
2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
5. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

Event: SQDN-MTOC-6414 Provide Enroute and Time-On-Target forecast.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination, and recover from that destination will need full METOC services for awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the pilot's route for take-off, en-route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

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CHAPTER 10

6500 Level H-1

| MET 1. Provide Intelligence and METOC Support to Offensive Air Support | |
|---|--|
| SQDN-TRGT-6501 (MCT 2.1) | Provide Intelligence Support to Targeting |
| SQDN-ANYS-6502 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6503 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6504 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6505 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6506 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6507 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6508 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Rotary Wing Attack Squadron Operations |
| MET 3. Provide Intelligence and METOC Support to Assault Support | |
| SQDN-ANYS-6502 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6504 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6505 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6506 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6507 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6508 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Rotary Wing Attack Squadron Operations |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance | |
| SQDN-TRGT-6501 (MCT | Provide Intelligence Support to |

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| | |
|--------------------------------------|--|
| 2.1) | Targeting |
| SQDN-ANYS-6502 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations |
| SQDN-COLL-6503 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management |
| SQDN-COLL-6504 (MCT 2.2 & 2.3) | Provide Multi-Sensor Imagery Analysis Products |
| SQDN-PLAN-6505 (MCT 2.1) | Provide Intelligence Support to Aviation Planning |
| SQDN-DISS-6506 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan |
| SQDN-DISS-6507 (MCT 2.6) | Evaluate Aviation Intelligence Support |
| SQDN-GENI-6508 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Rotary Wing Attack Squadron Operations |
| SQDN-MTOC-6509 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations |
| SQDN-MTOC-6510 (MCT 2.4.5.1) | Provide METOC Tactical Decision Aids on Multi-Sensor/Platform Reconnaissance |
| SQDN-MTOC-6511 (MCT 2.1.10.1) | Provide Enroute and Time-On-Target forecast |

Event: SQDN-TRGT-6501 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell, and the battle damage assessment cell.

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Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders. Provide target data to Future Operations & ATO Development Cell strike planners.
3. Process missions reports and weapon systems video to conduct initial battle damage assessment.
4. Maintain cumulative BDA, target status and estimates of target regeneration.
5. Identify targets that require re-strike and provide updated target data to Current Operations Deep Battle Cell, Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: SQDN-ANYS-6502 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as

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it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Provide personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6503 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating

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detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, requesting organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Manage all R&S assets assigned or made available to the Squadron.
6. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
7. Develop and maintain a Collections Synchronization Matrix.
8. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

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Event: SQDN-COLL-6504 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re-strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

Event: SQDN-PLAN-6505 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.
4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6506 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and

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subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6507 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

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Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6508 Provide Intelligence Support to Rotary Wing Attack Squadron Operations

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, the Marine Light Utility / Attack Helicopter Squadron's (HMLA) primary roles are Assault Support, Anti-Air Warfare, Offensive Air Support and Aerial Reconnaissance, though it provides general support to Electronic Warfare and Control of Aircraft & Missiles. The HMLA intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconventional environments.

Condition: With the aid of references, acting as an HMLA Intelligence Section, provided an area of interest, mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.

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3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all-source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers, Planning Coordinators and Escort Flight Leaders.
5. Establish and maintain the enemy situation board either graphically or digitally.
6. Assess the enemy ground composition & disposition in order to provide intelligence support to fire support planning, targeting and weaponeering.
7. Establish and maintain an intelligence RFI submission and tracking system within the squadron.
8. Conduct tailored mission briefs for aircrew.
9. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
10. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective aerial reconnaissance and intelligence collection against squadron and higher NAIs.
11. As required, establish or provide support to the FLIC.
12. Provide squadron planners with geospatial and imagery support, including hard copy and digital mapping and imagery products to include HLZ studies and imagery products required for targeting and fire support planning.

Event: SQDN-MTOC-6509 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's

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parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non-environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish the ICAO or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.
5. Establish a logistics plan for embarkation and movement of sensing instruments.
6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6510 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the

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environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically impacts electro-optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.
2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
5. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

Event: SQDN-MTOC-6511 Provide Enroute and Time-On-Target forecast.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination, and recover from that destination will need full METOC services for awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the pilot's route for take-off, en-route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

Chapter 11

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| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| SQDN-ANYS-6602 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6604 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| SQDN-PLAN-6605 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6606 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6607 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-GENI-6608 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Rotary Wing and Tilt Rotor Assault Support Squadron Operations. |
| SQDN-MTOC-6609 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observations. |
| SQDN-MTOC-6610 (MCT 2.5.2.1) | Provide Critical Weather Effects to Threat Operations. |
| SQDN-MTOC-6611 (MCT 2.1.10.1, MCT 2.4.5.1) | Provide METOC Assault Support Package. |
| SQDN-MTOC-6612 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR). |
| SQDN-MTOC-6613 (MCT 2.1.10.1) | Provide En-route and Time - On - Target forecast. |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| SQDN-TRGT-6601 (MCT 2.1) | Provide Intelligence Support to Targeting. |
| SQDN-ANYS-6602 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6603 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| SQDN-COLL-6604 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| SQDN-PLAN-6605 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6606 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6607 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-GENI-6608 (MCT 2.2.5 & 2.2.5.2) | Provide Intelligence Support to Rotary Wing and Tilt Rotor Assault Support Squadron Operations. |

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2.2.5 & 2.2.5.2)

Wing and Tilt Rotor Assault Support
Squadron Operations.

Event: SQDN-TRGT-6601 Conduct Intelligence Support to Targeting.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for intelligence support to deliberate and reactive ACE targeting operations. Targeting is the process of selecting targets and matching the appropriate response to them. It takes into account both operational requirements and capabilities in identifying resources the adversary can least afford to lose or provide him the greatest advantage. This section is typically subdivided into three sub-sections: the target development cell, the target validation cell and the battle damage assessment cell.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance, targeting priorities.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Provide intelligence support to deliberate and reactive targeting; include the development, nomination and presentation of a target list with associated rationale to the ACE targeting board within the timelines of the established ATO cycle.
2. Build and maintain target folders.
3. Provide target data to Future Operations and ATO Development Cell strike planners.
4. Process missions reports and weapon systems video to conduct initial battle damage assessment.
5. Maintain cumulative BDA, target status and estimates of target regeneration.
6. Identify targets that require re - strike and provide updated target data to Current Operations Deep Battle Cell,

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Future Operations and ATO Development Cell strike planners within the timelines of the established ATO cycle.

Event: SQDN-ANYS-6602 Provide All - Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models.
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Provide personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.

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7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6603 Provide Intelligence Support to Aviation Collection Management.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, requesting organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Manage all R&S assets assigned or made available to the Squadron.
6. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
7. Develop and maintain a Collections Synchronization Matrix.

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8. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

Event: SQDN-COLL-6604 Provide Multi-Sensor Imagery Analysis Products.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct post mission analysis to produce BHA and pass information to the Analysis Section and Combat Assessment Board for re - strikes.
2. Produce imagery products for dissemination.
3. Request imagery from national and theater level.

Event: SQDN-PLAN-6605 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of

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the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.
4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6606 Develop an Aviation Intelligence Dissemination Plan.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

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Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6607 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.

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3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-GENI-6608 Provide Intelligence Support to Rotary Wing and Tilt Rotor Assault Support Squadron Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Within the Six Functions of Marine Aviation, rotary - wing and tilt - rotor squadrons including the Marine Medium Helicopter Squadron (HMM), Marine Heavy Helicopter Squadron (HMH) and Marine Medium Tiltrotor Squadron (VMM), have the primary role of Assault Support, though they provide general support to Electronic Warfare, Offensive Air Support, Aerial Reconnaissance and Control of Aircraft & Missiles and can also conduct Anti - Air Warfare in self-defense. The HMM/VMM/HMLA intelligence section must be prepared to provide tailored support to all squadron mission sets in both the conventional and unconventional environments.

Condition: With the aid of references, acting as a HMM/VMM/HMH/HMM (Rein)/VMM (Rein) Intelligence Section, provided an area of interest, mission and Commander's intent.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop squadron intelligence section SOPs.
2. Establish a squadron intelligence watch within the squadron Combat Operations Center.
3. As required, establish intelligence support detachments embedded with operational squadron aircraft detachments.
4. Provide tailored, all-source intelligence support including IPB products to squadron mission planning cells and key mission planners, including but not limited to Air Mission Commanders, Mission Executive Officers, Planning Coordinators and Assault Flight Leaders.
5. Establish and maintain the enemy situation board either graphically or digitally.

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6. Establish and maintain an intelligence RFI submission and tracking system within the squadron.
7. Conduct tailored mission briefs for aircrew.
8. Coordinate the debriefing of squadron pilots and aircrew, generate mission reports and ensure the flow of intelligence information to higher and adjacent commands.
9. In coordination with higher, facilitate the squadron's role in MAGTF Collection, generating associated products to enable pilots to conduct effective aerial reconnaissance and intelligence collection against squadron and higher NAIs.
10. As required, establish or provide support to the FLIC.
11. Provide squadron planners with geospatial and imagery support, including hard copy and digital mapping and imagery products to include HLZ studies.

Event: SQDN-MTOC-6609 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non - environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Establish the ICAO or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.
3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.
5. Establish a logistics plan for embarkation and movement of sensing instruments.
6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6610 Provide Critical Weather Effects to Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts to enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation - impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on enemy operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

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Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Enemies COG, Enemy equipment impacts matrix.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Coordinate with HHQ METOC for an enemy impacts matrix.
2. Forecast the weather conditions for the Enemy AOI.
3. Request the Enemy Center of Gravity analysis from HHQ.
4. Develop a forecast and impact matrix on enemy activity with the Enemy Area of Operation and AOI.
5. Include the product with the Intelligence analysis of enemy impacts and equipment threats.

Event: SQDN-MTOC-6611 Provide METOC Assault Support Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the production of METOC products that fall in line with Aviation Assault Support operations. Assault support in aviation operations is the performance of Air delivery, Ariel Refueling, Air Evacuation, TRAP and Air Logistical Support. This function can be performed in a routine nature requiring routine support or this function can be complex and require a complex support package. Weather has a historically significant impact on Assault Support operations and will continue to rely on accurate METOC support for operational execution.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.

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2. Produce a tailored METOC support product for the specific Aviation Assault Support mission.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the specific platforms and delivery methods for rotary wing and fixed wing aircraft.
5. Provide input on any environmental impacts to COG for both enemy and friendly units.
6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.
7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6612 Provide Climatology for PR Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the PR package.

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4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6613 Provide Enroute and Time-On-Target forecast.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination and recover from that destination will need full METOC services for awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the pilot's route for take - off, en-route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

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Chapter 12

6700 Level UAS

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| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| SQDN-ANYS-6701 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| SQDN-PLAN-6703 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6704 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6705 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-MTOC-6706 (MCT 2.2.1.9) | Provide Weather Forecasts and Hourly Observation. |
| SQDN-MTOC-6707 (MCT 2.5.2.1) | Provide Critical Weather Effects to Threat Operations. |
| SQDN-MTOC-6708 (MCT 2.1.10.1, MCT 2.4.5.1) | Provide METOC Assault Support Package |
| SQDN-MTOC-6709 (MCT 2.4.1.1) | Provide Climatology for Personnel Recovery Packages (PR). |
| SQDN-MTOC-6710 (MCT 2.4.5.1) | Provide Electro-Optical Decision Aid (EOTDA) Analysis. |
| SQDN-MTOC-6711 (MCT 2.1.10.1) | Provide Enroute and Time-On-Target forecast. |
| MET 4. Provide Intelligence and METOC Support to Air Reconnaissance. | |
| SQDN-ANYS-6701 (MCT 2.4) | Provide All-Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6702 (MCT 2.2) | Provide Intelligence Support to Aviation Collection Management. |
| SQDN-PLAN-6703 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6704 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6705 (MCT 2.6) | Evaluate Aviation Intelligence Support. |

Event: SQDN-ANYS-6701 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

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Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to IADS and threat aircraft. Additionally, the intelligence section will present briefs to commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats to/from the air and produce aviation specific threat models
2. Provide threat zone matrix.
3. Provide MCOO that identifies Avenues of Approach and potential engagement areas.
4. Conduct COG Analysis IOT identify critical vulnerabilities.
5. Provide personnel recovery, evasion plan of action and risk of isolation briefs for flight crews.
6. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
7. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6702 Provide Intelligence Support to Aviation Collection Management.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The intelligence section is responsible for receiving Squadron intelligence requirements, formulating detailed collections plans and tasking/requesting collection assets to satisfy those requirements.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct Collections Requirements Management, to include developing IRs/PIRs and establishing SIRs/SORs.
2. Conduct Collections Operations Management, to include developing a detailed collections plan, tasking organic collections assets and/or requesting external collections assets to satisfy IRs/PIRs.
3. Receive and validate RFIs, task/request the appropriate agency or cell to generate the required information or product, and ensure this information/product is disseminated to the requestor and other appropriate users.
4. Develop imagery products as required.
5. Incorporate SIGINT products to facilitate enemy order of battle assessments.
6. Manage all R&S assets assigned or made available to the Squadron.
7. Maintain awareness of the operational status of organic, MAGTF, theater and national collection assets' status, capabilities and availability.
8. Develop and maintain a Collections Synchronization Matrix.
9. Evaluate requirement satisfaction, provide a structure to allow requestor feedback and adjust the collection plan as required.

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Event: SQDN-PLAN-6703 Provide Intelligence Support to Aviation Planning.

Evaluation: Yes Sustainment interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the Squadron planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the Squadron Future Plans Section.
4. Provide the Squadron Future Plans Section updated intelligence asset availability and status.
5. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6704 Develop an Aviation Intelligence Dissemination Plan.

Evaluation: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form to the Commander, higher, adjacent and

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subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6705 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-MTOC-6706 Provide Weather Forecasts and Hourly Observations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task encompasses the capability and capacity to accurately and quantitatively collect, sense, observe, monitor and track parameters, phenomena and conditions of the physical environment. Collection of the physical environment's parameters, phenomena and conditions occur from a combination of fixed or tactical positions on the ground, in the air, in space and at or below the surface of the water. Collection and sensing capabilities may be dedicated to environmental support systems and sensors or non-environmental systems and platforms which are either shared or dedicated to other missions. In addition to collecting and sensing, this task requires the ability to receive, validate, record, process and store environmental data and parameters for further utilization. The culminating part of this task is the unity of METOC collections to provide accurate and detailed support for the war fighter.

Condition: With the aid of references, acting as a METOC Intelligence section, given an AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Establish the ICAO or WMO for assigned observing and forecasting areas from HHQ.
2. Coordinate with Supported Elements on METOC support requirements.

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3. Provide detailed METOC data to all elements supported.
4. Establish a dissemination plan with HHQ for METOC data.
5. Establish a logistics plan for embarkation and movement of sensing instruments.
6. Establish a supply plan that allows for the repair and replacement of sensing instruments.

Event: SQDN-MTOC-6707 Provide Critical Weather Effects to Threat Operations.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: Task includes the ability to derive and provide actionable decision parameters from environmental parameters/conditions and identify associated environmental impacts to enemy operations, systems, platforms, sensors, munitions and personnel conducting the full range of military planning and operations. Exploitation and mitigation is the process that transforms analyzed and predicted environmental products and information into actionable intelligence in the form of operation - impacting, environmental effects assessments. Environmental exploitation and mitigation includes the ability to tailor environmental parameters/conditions and decision parameters to a particular mission or operation at appropriate scales in coverage, resolution and time. It requires the ability to ascertain and maintain a database of environmental impacts on enemy operations to include operationally significant thresholds for specific missions, tactics, weapons, sensors, platforms and personnel. Environmental exploitation and mitigation couples the thresholds with the decision parameters and integrates them with context, experience and intuition to convey knowledge of the physical environment.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Enemies COG, Enemy equipment impacts matrix.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Coordinate with HHQ METOC for an enemy impacts matrix.

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2. Forecast the weather conditions for the Enemy AOI.
3. Request the Enemy COG analysis from HHQ.
4. Develop a forecast and impact matrix on enemy activity with the Enemy Area of Operation and AOI.
5. Include the product with the Intelligence analysis of enemy impacts and equipment threats.

Event: SQDN-MTOC-6708 Provide METOC Assault Support Package.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the production of METOC products that fall in line with Aviation Assault Support operations. Assault support in aviation operations is the performance of Air delivery, Ariel Refueling, Air Evacuation, TRAP and Air Logistical Support. This function can be performed in a routine nature requiring routine support or this function can be complex and require a complex support package. Weather has a historically significant impact on Assault Support operations and will continue to rely on accurate METOC support for operational execution.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct a specific analysis of the friendly and enemy environment.
2. Produce a tailored METOC support product for the specific Aviation Assault Support mission.
3. Produce friendly and enemy impacts matrix.
4. Provide input to the specific platforms and delivery methods for rotary wing and fixed wing aircraft.
5. Provide input on any environmental impacts to COG for both enemy and friendly units.

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6. Provide input and climatology to the personal recovery, evasion plan of action and risk of isolation briefs for flight crews.

7. Analyze all incoming METOC reports to determine and refine METOC support products that would affect execution of the mission or severely degrade targeting.

Event: SQDN-MTOC-6709 Provide Climatology for PR Packages.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task involves the process of transforming historic and current data and information of the physical environment's component environments into a coherent characterization of its current state. This is extremely important when individuals are placed in the environmental elements. These elements can be life threatening if not properly planned for especially for individuals who are injured due to unplanned events.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, flight route.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the environment along the aircraft's route.
2. Conduct a climatological review of the environment.
3. Provide a climatology brief for input into the PR package.
4. Produce specific climate threats for personnel in the environment.

Event: SQDN-MTOC-6710 Provide Electro-Optical Decision Aid.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires the specific analysis of the environment and its impacts or enhancements to the electro-optical spectrum employed against the enemy or employed by the enemy against friendly forces. The environment specifically

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impacts electro - optical sensors and enhances or degrades target resolution for sensors. Both enemy and friendly possess some forms of electro-optical equipment for tactical use. A careful analysis using current software and the environment must be produced to negate the unfavorable events and to help shape strike times that enhance target awareness when using these sensors. It is important that this analysis is not only provided during the hours before mission execution, but is also integrated with the targeting planning process.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, friendly and enemy parameters.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Collect mission parameter sets for a specific target strike or potential targets.
2. Coordinate with the topography section to validate target background data needed for analysis.
3. Coordinate with the Intelligence Targeting Marines to locate target type, description, location and orientation.
4. Provide TDA for specific mission set for inclusion in the intelligence targeting package.
5. Provide an assessment of specific impacts of weather phenomenon, solar/lunar angle, illumination percentages, thermal crossover times or relative humidity impacts.

Event: SQDN-MTOC-6711 Provide En-route and Time - On - Target forecast.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires standard weather forecast products for aviation operations in their routine mission sets in a combat environment. METOC provides a critical information awareness product that cannot be overlooked even during the most mundane and routine tasks of aviation operations. Any platform that has to depart a runway, fly to a destination and recover from that destination will need full METOC services for

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awareness and for resource protection. Resource protection occurs by providing terminal users and operators METOC information that informs and positively effects the decision making process while preventing mishaps from unfavorable environmental conditions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, mission Commanders route of flight, AOI.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Review the pilot's route for take-off, en-route and recovery locations.
2. Provide pertinent METOC information for the pilot's route and include it with the mission's intelligence briefing.
3. Provide a means to collect debrief information from the platform operators to validate forecast conditions.

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Chapter 13

6800 Level Ground Support

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| MET 3. Provide Intelligence and METOC Support to Assault Support. | |
| SQDN-ANYS-6801 (MCT 2.4) | Provide All - Source Analysis in Support of Aviation Operations. |
| SQDN-COLL-6802 (MCT 2.2 & 2.3) | Provide Multi - Sensor Imagery Analysis Products. |
| SQDN-PLAN-6803 (MCT 2.1) | Provide Intelligence Support to Aviation Planning. |
| SQDN-DISS-6804 (MCT 2.5) | Develop an Aviation Intelligence Dissemination Plan. |
| SQDN-DISS-6805 (MCT 2.6) | Evaluate Aviation Intelligence Support. |
| SQDN-MTOC-6806 (MCT 2.4.1.1) | Provide Climatology Package in support of Airfield Construction. |
| SQDN-MTOC-6807 (MCT 2.4.1.1) | Provide Hydrological estimates in support of Airfield/Engineer Construction. |

Event: SQDN-ANYS-6801 Provide All-Source Analysis in Support of Aviation Operations.

Evaluation Coded: Yes Sustianment Interval: 12 Months.

Description: The Intelligence Section is responsible for converting processed and exploited information and previously developed intelligence into tailored, mission focused intelligence that satisfies the Commander's intelligence requirements through evaluation, integration, interpretation, analysis and synthesis. Products created will provide an evaluation and assessment of threat forces capabilities, limitations, centers of gravity and critical vulnerabilities as it pertains to threat forces. Additionally, the analysis section will present briefs to Commanders and staff on the threat, weather and terrain in order to assist in the decision making process and will be used to prepare the intelligence portions of the operations order.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, Commander's guidance and an AOI.

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Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Conduct specific analysis of conventional and non-conventional threats in the area of operations and produce threat models that accurately reflect TTPs.
2. Produce MCOO that identifies Avenues of Approach, HLZ's, DZ's and potential engagement areas.
3. Conduct COG Analysis IOT identify critical vulnerabilities.
4. Present intelligence briefings on the current and future weather, terrain considerations and threat intentions.
5. Interpret and analyze all incoming intelligence reporting to determine and refine threat disposition, composition, capabilities, vulnerabilities and courses of action.

Event: SQDN-COLL-6802 Provide Multi-Sensor Imagery Analysis Products.

Evaluation: Yes Sustainment Interval: 12 Months.

Description: Imagery data is derived from the exploitation of collection by visual photography, infrared sensors, electro optics and radar sensors where images of objects are reproduced optically or electronically on film, electronic display devices or other media. Imagery is used to detect and pinpoint the location of threat installations, facilities and threat forces. Imagery can also be used to support detailed terrain analysis of the target area. The squadron requires a mix of tactical, theater and national imagery assets to support imagery collection requirements in the planning and execution of assigned missions. Furthermore, imagery is utilized to derive battle damage assessments that will be used to update order of battle.

Condition: With the aid of references, acting as an Intelligence Section, given a mission and provided with intelligence requirements.

Standard: To ensure the completion of the performance steps within the time limits established by the Commander.

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Event Components:

1. Request imagery products from higher HQ for dissemination.
2. Provide squadron planners with geospatial and imagery support, including hard copy and digital mapping and imagery products to include HLZ studies and imagery products required for targeting and fire support planning.

Event: SQDN-PLAN-6803 Provide Intelligence Support to Aviation Planning.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for preparing all intelligence annexes and estimates in support of the group planning effort and providing ongoing intelligence support to the Operational Planning Teams, Crisis Action Teams, and other planning cells as directed. A detailed and thorough understanding of both the MCPP and the R2P2 is required for all members of the Intelligence Plans Section.

Condition: With the aid of references, acting as an Intelligence Section, given a mission, higher headquarters' order, initial Commander's guidance.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Manage intelligence support to all stages of the Marine Corps Planning Process, providing intelligence products as required.
2. Manage intelligence support to all stages of the R2P2, providing intelligence products as required.
3. Prepare intelligence annexes for all operations orders and supporting plans developed by the ACE Future Plans Section.
4. Prepare and deliver the intelligence portion of all briefs provided to the Squadron Commander and battlestaff by the Future Plans Section.

Event: SQDN-DISS-6804 Develop an Aviation Intelligence Dissemination Plan.

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Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The Intelligence Section is responsible for providing tactical intelligence in the most rapid and appropriate form, to the Commander, higher, adjacent and subordinate elements that will best satisfy the supported elements time and information requirements. Intelligence can be disseminated via oral, text or graphic form and can include diagrams, imagery products, all-source intelligence reports, intelligence briefs and hard and soft copy electronic formats, etc.

Condition: With the aid of references, acting as an Intelligence Section, provided intelligence products and requirements from higher, adjacent and subordinate elements.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Determine the available means for dissemination.
2. Identify dissemination requirements (one time and recurring).
3. Develop and publish system for delivering intelligence products that satisfies requirements.
4. Conduct dissemination of intelligence products.

Event: SQDN-DISS-6805 Evaluate Aviation Intelligence Support.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: The primary task of evaluation is to ensure that disseminated intelligence satisfies the supported Commanders' intelligence requirements in a timely manner. Evaluation will also serve to identify lessons learned and will stream line intelligence processes for future operations. Lastly, the evaluation phase will provide guidance and feedback regarding the effectiveness of intelligence operations to support future planning and decision making.

Condition: With the aid of references, provided feedback and lessons learned from higher, adjacent and subordinate elements.

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Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Develop intelligence feedback and lessons learned format for use by higher, adjacent and subordinate elements to evaluate intelligence support provided.
2. Incorporate feedback and lessons learned from higher, adjacent and subordinate elements.
3. Implement identified short falls and best practices to improve future intelligence support.

Event: SQDN-MTOC-6806 Provide Climatology Package in support of Airfield Construction.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires analysis of the environment and creating a climatology package for airfield construction. Wind speed and direction play a significant part in the engineered direction of the runway and setup of alternate runways. Incorrect runway setup can lead to hundreds of lost flight hours or directly impact the readiness of the ACE and its responsiveness to on-call missions.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Engineering Plan.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Coordinate with the MWSS to implement climatology products with the Airfield engineering plan.
2. Prepare climatology products that specifically address wind speed and direction that are predominate in the proposed area of construction.
3. Propose cross runways if predominate wind direction is significant enough to require multiple runway directions.

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4. Specifically brief the EAF project lead on significant wind speeds and directions for the runway.

Event: SQDN-MTOC-6807 Provide Hydrological estimates in support of Airfield/Engineer Construction.

Evaluation Coded: Yes Sustainment Interval: 12 Months.

Description: This task requires analysis of the environment and creating a climatology package for constructing a MAB, AF, FOB and a FARP. Besides airfield construction, the MWSS is responsible for constructing facilities in and around an airfield. The most commonly overlooked aspect during construction operations is the climatological hazards in these areas and the hydrological hazards that may not be seen until heavy precipitation occurs. Building and designing airfields and services around those airfield without consulting METOC personnel can result in millions of dollars in lost costs and labor hours. Specific attention must be paid to the hydrological conditions in the AOI.

Condition: With the aid of references, acting as a METOC Intelligence section, given a mission, Commander's guidance, AOI, Engineering Plan, topographic study.

Standard: Ensure the completion of the performance steps within the time limits established by the Commander.

Event Components:

1. Coordinate with the MWSS and G-3 to review the proposed engineering plan.
2. Prepare a climatology product for the AOI.
3. Coordinate with the G-2 Topography Marines for implementing historical and record rainfall amounts into a combined hydrological impacts product.
4. Brief this product down to the MWSS and any supporting engineering element to reduce losses.
5. Follow up on any significant environmental events that could require updates or mitigation to the air field and air base engineering plan.

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