



**FUNCTIONAL RESOURCE AND WEATHER
TECHNICAL PERFORMANCE EVALUATION**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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The OPR for this supplement is HQ AFSPC/XOSW (Mr. Alan Gibbs). This supplement supersedes AFI15-114_AFSPCSUP1, 1 Apr 98. This supplement implements and extends the guidance of Air Force Instruction (AFI) 15-114, **Functional Resource and Weather Technical Performance Evaluation 7** December 2001. The AFI is published word-for-word without editorial review. This supplement describes AFSPC's procedures for use in conjunction with the basic AFI. It applies to Air Force Space Command (AFSPC) and its subordinate units. This supplement does not apply to Air Force Reserve Command or Air National Guard units. The reporting requirement in this directive are licensed under RCS: HAF-XOW(M)9202(Weather Support Evaluation Report). Upon receipt of this integrated supplement, discard the Air Force basic publication.

SUMMARY OF REVISIONS

This publication is completely revised and incorporates HQ AFSPC specific requirements for metrics reporting criteria and procedures, adds specific detailed requirements for metrics reporting by re-engineered and non re-engineered units, and includes specific reporting criteria in **Attachment 3 (Added)**, along with numerous minor administrative changes. A bar (|) indicates a revision from the previous edition.

1.1. All re-engineered AFSPC combat weather teams (CWTs) and non re-engineered weather squadrons will develop customer-derived, mission execution forecast or operational effectiveness assessments (MEFVER or OPVER). Non re-engineered weather squadrons will also report TAFVER and WARNVER data using the procedures in **para 5.2.** (as supplemented).

3.1.1. The re-engineered CWTs will continue to collect, compute and report their MEFVER/OPVER metrics to HQ AFSPC/XOSW. The non re-engineered weather squadrons will continue to collect, compute and report their MEFVER/OPVER, TAFVER and WARNVER metrics to HQ AFSPC/XOSW. The

contract weather station at Thule GL will also continue to collect, compute and report its WARNVER metrics to HQ AFSPC/XOSW.

3.3.1. HQ AFSPC/XOSW will collate and analyze MEFVER/OPVER, TAFVER and WARNVER metrics from all applicable AFSPC weather units.

5.2. The 30th and 45th Weather Squadrons will compare their automated TAFVER metric against the Air Force average (monthly value and trend) to help assess the effectiveness of each unit's long-term forecast improvement efforts. They should also compare their performance against other weather forecasting organizations in the same climatological region to support short-term trend analysis and identification of benchmark opportunities.

6.1.1. AFSPC weather units will use the approved electronic version of MEFVER/OPVER, WARNVER and/or TAFVER forms. Each unit will E-mail the applicable monthly electronic data to the HQ AFSPC/XOSW metrics monitor or the organizational address '<mailto:afspc.xosw@peterson.af.mil>'. If a unit is having E-mail problems, it may send the data to HQ AFSPC/XOSW by FAX.

A2.1. Where applicable, AFSPC units will submit their weather warning/watch/advisory (WW/WA) criteria on the WARNVER computer generated spreadsheet provided by HQ AFSPC/XOSW.

A2.3. (Added) **Remarks:** Additionally, where applicable, AFSPC units will enter the weather warning/watch/advisory (WW/WA) criteria and the actual amount of positive and/or negative lead-time in the remarks or actual lead-time sections of the WARNVER form. These data will help assess the trend in actual lead-time being provided to AFSPC weather operations customers.

A2.4. (Added) HQ AFSPC/XOSW will compile monthly verification rates for desired lead time (DLT), capability (CAP), reliability (REL), and false alarm rate (FAR) categories at AFSPC weather squadrons for selected WW/WA criteria. DLT is defined as the number of WW/WAs with the proper DLT divided by the total number of required (REQ) WW/WAs. CAP is defined as the number of WW/WAs with positive lead-time (PLT) divided by the total number of REQ WW/WAs. REL is defined as the number of WW/WAs with PLT divided by the total number of issued (ISS) WW/WAs. FAR is defined as the number of WW/WAs that do not verify divided by the total number of ISS WW/WAs.

A2.5. (Added) HQ AFSPC/XOSW will establish overall AFSPC standards/goals for DLT, CAP, REL, and FAR categories and compare those standards/goals against monthly verification rates at AFSPC weather squadrons. This feedback will be supplied to AFSPC weather squadrons each month and will allow decision-makers to assess any trends in support being provided to AFSPC weather operations customers. Standards/Goals may fluctuate from season to season and will be provided separately.

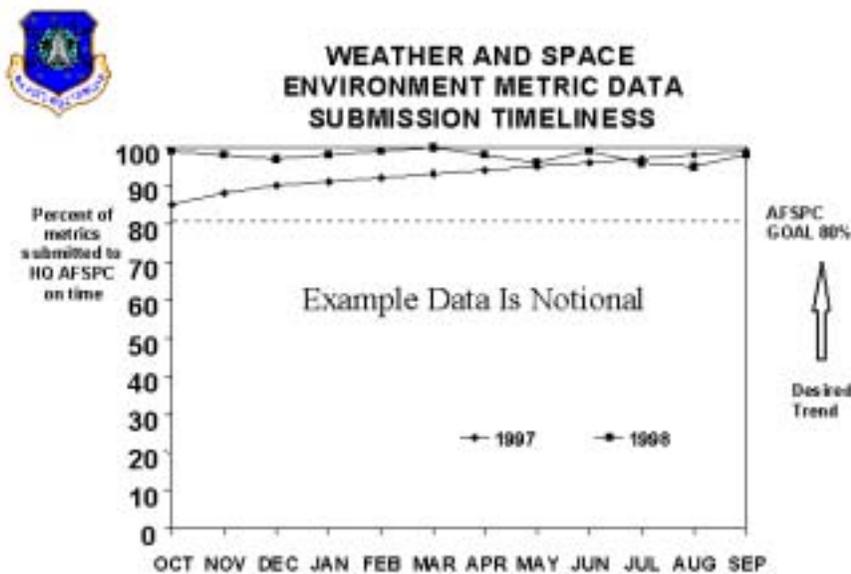
Attachment 3 (Added)

MEASURING AND DISPLAYING PROCESS COMPLIANCE

A3.1. (Added) AFSPC will track the ability of the Weather Support Evaluation process to better provide the Command and HQ AFWA the timely and accurate metric data needed to make decisions.

A3.2. (Added) The success of the process is contingent on field units providing their evaluation data to higher headquarters. Each metric for each unit represents a submitted product. A product is considered late if it arrives at HQ AFSPC/XOSW after the 15th of the month deadline or arrives needing rework, which cannot be corrected before the 15th of the month deadline. The number of on-time products is divided by the total number of products required during a given month to calculate the Weather and Space Environment Metric Data Submission Timeliness metric (Figure A3.1. (Added)).

Figure A3.1. (Added) Sample Metric for Data Submission Timeliness.



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