

**ORDER**

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

SW 6310.3A

SOUTHWEST REGION

3/10/98

**SUBJ: USE OF ASR/ARTS MAINTENANCE PPI SCOPES**

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- 1. PURPOSE.** This order clarifies the need for and primary use of the Airport Surveillance Radar/Automated Radar Terminal System (ASR/ARTS) maintenance Planned Position Indicator (PPI) scopes and is to avoid any possible misunderstanding which may result from the availability of the scope when not required for maintenance purposes.
- 2. DISTRIBUTION.** This order is distributed to branch level in the Airway Facilities and Air Traffic Divisions and to all Airway Facilities and Air Traffic field offices.
- 3. CANCELLATION.** This order cancels SW 6310.3, Use of ASR Maintenance PPI Scopes, dated 6/1/70.
- 4. BACKGROUND.** All Southwest Region ASR/ARTS indicator sites are provided with the flexibility to utilize the maintenance PPI scope in an Air Traffic Control radar position. Operations use of these scopes has increased due to an increase in air traffic and inherent programming time required to provide additional scopes. This may lead to the possible misconception that the primary purpose of the maintenance PPI is to provide an additional operations scope.
- 5. EXPLANATION OF CHANGE.** This order recognizes the Automated Radar Terminal System (ARTS).
- 6. GENERAL.** The ASR/ARTS maintenance scopes are provided for maintenance activities in the indicator site equipment room. The PPI scope provided for this purpose has been especially selected to provide a display of the same accuracy and quality as the operations scope. Use of any inferior PPI is not acceptable from a facility certification standpoint. The alignment and certification of the video mappers is an example of the maintenance activity which requires the accuracy provided by the ASR/ARTS maintenance scopes.

**7. POLICY.** The ASR/ARTS maintenance scopes will be used for Air Traffic Control radar service only during periods when they are not required for maintenance alignment and certification of video mappers and other critical electronic equipment. In situations where the maintenance scope is being used by Air Traffic when a maintenance need occurs, Air Traffic personnel will release the scope upon request unless an operational emergency exists.

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