

MPG-6 SUPPORT GUIDANCE, W3YVQ MPG6A4V14ATSDB-3/14

TARGET STATION DATA-BASE
for
RADIO-EMAIL TARGET STATIONS

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6A4.1 TARGET STATION DATA-BASE

6A4.1.1 PURPOSE

The use of a national *Radio-email* system, whether via Winlink 2000 (WL2K) or peer-to-peer connections using WL2K clients or AirMail, stations need to know the call sign or Tactical Address of stations at the desired messaging destinations.

It is therefore necessary to have a national *Radio-email* Target Station Database in which Sections and NTS/NTSD can post and retrieve lists of such addressees. A Target Station is any station in the NTS, NTSD, or ARES(r), or in other services, capable of operating on the *Radio-email* layer and designated to provide a connection point for the delivery of messaging.

Sections are asked to establish a Section Primary Target Station, or group of stations with different schedules or modes of operation, to be listed, and to provide an alerting and intercommunications path with the Section's management, independent of the infrastructure. These station(s) check for *Radio-email* daily.

NTSD and NTS are asked to establish and list Target Stations to provide a bridge between ARES(r) and their Radiogram services, and between the digital and manual net services. These station(s) check for *Radio-email* daily.

NTSD stations are asked to establish and list Target Stations to provide for the exchange of messaging in the *Radio-email* format, peer-to-peer, radio-all-the-way, coast-to-coast. These station(s) check for *Radio-email* daily.

See section 6.2 of the MPG-6 document for suggested Target Stations.

6A4.1.2 ADDRESSES FOR DATABASE POSTING

The Target Station Database list should:

- Show each Section's Primary Target Station call(s) or Tactical Addresses;
- Show each Section's additional Target Stations as desired;
- Be accessible via *Radio-email* during infrastructure loss via upload and download *Radio-email* posting and retrieval messages with compressed secure content;
- Be able to be updated dynamically via *Radio-email* during emergencies as station assignments change;
- Provide addresses for NTS/NTSD stations guarding the *Radio-email* layer for messaging.
- Provide ARESMAT operations with addresses for the coordination of support station movements;
- Provide Served-agency call signs or Tactical Addresses as situations require that those addresses become necessary for field station access via *Radio-email*, including SKYWARN, MARS, wide-area amateur net liaisons, and other services as needed;
- Provide other *Radio-email*, NTS, NTSD, and ARES(r) station addresses as required.

6A4.2 REQUESTING DATA

A message format will be stipulated which will enable a station to send a *Radio-email* message to the Target Station Database which will automatically retrieve and reply via *Radio-email* the desired address for the Section, NTS/NTSD, or other function, including the desired information, schedules, frequencies, etc., for messaging.

6A4.3 POSTING DATA

A message format will be stipulated which will enable a station to send a *Radio-email* to the Target Station Database which will automatically post the desired Target Station addresses, schedules, frequencies, etc., required for messaging to that Section, NTS/NTSD, or other function.

6A4.4 PRELIMINARY STATUS

This Target Station Database guidance is under development along with the required data services hardware and software. Current planning suggests that the servers for this database will be addressable on the *Radio-email* layer, be sited at hardened locations, and mirrored to backups from which archive downloads will be routine. The Database server will auto-poll for messages via WL2K telnet/internet or packet radio. During infrastructure loss, the database host station operator will manually connect to the WL2K system via HF as needed, or make the station available for direct connection.

Currently, the NTS Winlink Committee maintains the Target Station Database.

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