

For transmission the week of 9/13/2010

## **MARS TRAINING SHORT BURST MTSB-01**

WE MAY ALL BE AMATEUR RADIO OPERATORS BUT WE ARE ALSO PROFESSIONAL USAF MILITARY AUXILIARY COMMUNICATORS AND AS SUCH MUST ABIDE BY THE POLICIES AND PROCEDURES AS SET FORTH IN OUR GOVERNING DOCUMENTS. AMONG THESE DOCUMENTS ARE THE MARS OPERATING INSTRUCTIONS (MOI), THE VOICE STANDARD OPERATING PROCEDURES (VOICE SOP), THE NATIONAL TRAINING GUIDE, AND ACP 125.

THE PROCEDURES PROVIDED IN OUR GOVERNING DOCUMENTS HAVE BEEN REFINED OVER MANY YEARS OF EXPERIENCE AND ARE DESIGNED TO SUPPORT MAXIMUM COMMUNICATIONS ACCURACY WITH THE MINIMUM NUMBER AND LENGTH OF TRANSMISSIONS. ADHERENCE TO THE PROCEDURES DISPLAYS THE PROFESSIONALISM OF THE OPERATOR AND PROVIDES FOR AN ORDERLY AND EFFICIENT OPERATION.

THE PURPOSE OF THESE MARS TRAINING SHORT BURSTS (MTSB) IS TO REMIND STATIONS OF USAF MARS OPERATING POLICY AND PROCEDURES. EACH WEEK'S MTSB WILL COVER A SPECIFIC TOPIC IN A SUMMARY FASHION. THE MTSBS WILL BE ARCHIVED ON THE NORTH CENTRAL AREA WEB SITE (<http://www.afmars.org>) IN THE "TRAINING MATERIALS" PAGE.

IF YOU HAVE QUESTIONS OR COMMENTS ON ANY MTSB CONTACT YOUR SMD, AREA TRAINING DIRECTOR OR THE NATIONAL TRAINING DIRECTOR.

### **TRANSMITTER TUNING TIPS**

FOR MAXIMUM COVERAGE EACH STATION MUST FINE TUNE THEIR STATIONS TO MAXIMIZE POWER OUTPUT AND MINIMIZE SWR. THE PROPER METHOD IS TO FIRST TUNE INTO A DUMMY LOAD. THE NEXT STEP IS TO MATCH THE TRANSMITTER TO THE ANTENNA SYSTEM WHILE MAINTAINING A MINIMUM SWR.

ON THE AIR TRANSMITTER TUNING IS AUTHORIZED IN THE TIME PERIOD BETWEEN NETS AND WHEN NO NETS ARE SCHEDULED OR IN PROGRESS. TRANSMITTER TUNING MAY ALSO BE PERFORMED DURING A NET IF PERMISSION IS FIRST OBTAINED FROM THE NET CONTROL STATION.

OPERATION ON USAF FREQUENCIES REQUIRES THAT STATION ID MUST BE USED AT THE BEGINNING OF EACH TRANSMISSION. THIS INCLUDES TUNING AND TESTING TRANSMISSIONS. HOWEVER, IT IS PERMISSIBLE TO OMIT STATION IDENTIFICATION FOR SHORT TRANSMISSIONS MADE BETWEEN TWO STATIONS WHEN IN INFORMAL DISCUSSION. IF IN DOUBT, OVER-IDENTIFY RATHER THAN UNDER-IDENTIFY.

THIS ENDS THIS MARS TRAINING SHORT BURST

ARE THERE ANY REQUESTS FOR FILLS, OVER