

NOXX20 KWBC DDHHMM
ADMEMW

NATIONAL ADMINISTRATIVE MESSAGE FOR EMWIN
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
450 PM EDT FRI APR 27 2001

TO: EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
USERS

FROM: WALTER TELESYTSKY
DIRECTOR...OFFICE OF OPERATIONAL SYSTEMS
NATIONAL WEATHER SERVICE /NWS/

AND

GARY DAVIS
DIRECTOR...OFFICE OF SATELLITE OPERATIONS
NATIONAL ENVIRONMENTAL SATELLITE...DATA... AND INFORMATION
SERVICE /NESDIS/

SUBJECT: EMWIN TRANSITION UPDATE 4/27/01

THE EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/ HAS MATURED INTO A VERY EFFECTIVE AND VALUABLE SERVICE FOR ITS USERS. THROUGH EMWIN. THE NATIONAL WEATHER SERVICE /NWS/ PROVIDES VITAL WARNINGS AND OTHER METEOROLOGICAL INFORMATION TO A BROAD SPECTRUM OF USERS IN AN INEXPENSIVE MANNER.

EMWIN IS NOW BROADCAST FROM GOES /GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE/ EAST AND WEST. THE FINAL SATELLITE OF THE CURRENT SERIES /GOES M/ IS SCHEDULED TO BE LAUNCHED IN JULY 2001. WE PLAN TO CONTINUE TO BROADCAST EMWIN IN ITS CURRENT FORM AS LONG AS THE CURRENT SERIES OF SATELLITES IS OPERATIONAL.

CURRENTLY...GOES N IS SCHEDULED FOR LAUNCH IN FEBRUARY 2003 AND TO BE STORED IN ORBIT. TRANSITION OF THE EMWIN BROADCAST TO GOES N WILL NOT OCCUR UNTIL SOMETIME BETWEEN LATE 2003 AND 2005 /BARRING MULTIPLE CATASTROPHIC SATELLITE FAILURES/.

EMWIN CAN NOT BE BROADCAST IN ITS CURRENT FORM ON THE GOES SERIES N THROUGH Q. MAJOR DIFFERENCES ARE:

- THE NEW SERIES OF SATELLITES WILL BROADCAST A DIGITAL SIGNAL RATHER THAN THE CURRENT ANALOG
- THE EMWIN SIGNAL WILL USE A DEDICATED TRANSPONDER RATHER THAN SHARE A CHANNEL AS IS CURRENTLY DONE...AND
- THE EMWIN SIGNAL WILL CONFORM TO INTERNATIONAL REGULATIONS FOR POWER FLUX DENSITY RESULTING IN REDUCED EMWIN BROADCAST POWER LEVELS

GOES N THROUGH Q WILL REQUIRE EMWIN TO USE DIFFERENT MODULATION AND LINK CHARACTERISTICS. LATER THIS YEAR, THE GOES N THROUGH Q BROADCAST WILL BE SIMULATED USING CURRENT SATELLITES TO PROVIDE THE TECHNICAL INFORMATION NECESSARY FOR THE DESIGN OF NEW DIGITAL EMWIN RECEIVER SYSTEMS.

THE NWS AND NESDIS ARE COMMITTED TO CONTINUE TO OPERATE AND SUPPORT THE EMWIN PROGRAM. WE WILL INFORM THE USER COMMUNITY WELL IN ADVANCE OF ANY CHANGE TO THE EMWIN SYSTEM AS WELL AS THE TRANSITION TO A NEW SERIES OF SATELLITES. FUTURE EMWIN TRANSITION UPDATES WILL BE DISTRIBUTED THROUGH EMWIN AND POSTED AT /USE LOWER CASE/:

[HTTP://IWIN.NWS.NOAA.GOV/EMWIN/INDEX.HTM](http://IWIN.NWS.NOAA.GOV/EMWIN/INDEX.HTM)

PLEASE EMAIL CONCERNS YOU MAY HAVE REGARDING THE EMWIN TRANSITION TO:

EMWIN.SYSTEM@NOAA.GOV

YOUR COMMENTS HELP US ASSESS THE IMPACT AND TIMING OF THE TRANSITION.

AN EMWIN TRANSITION STUDY WILL BE COMPLETED IN EARLY JUNE 2001. WE WILL SEND THE NEXT TRANSITION UPDATE MESSAGE SHORTLY AFTER THE STUDY/S COMPLETION OR SOONER IF NEW SIGNIFICANT INFORMATION IS AVAILABLE.

END
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