

MATTERS RELATED TO APT AND WEFAX AND CONVERSIONS

(Submitted by WMO)

Summary and purpose of document

This document describes the status of activities related to the conversion of the APT/WEFAX services from analogue to digital scheduled to occur during the decade.

ACTION PROPOSED

CGMS Members to update the Status for LRIT/LRPT conversion for satellites in polar and geostationary orbit as contained in the Appendix.

Appendix: Status for LRIT/LRPT conversion for satellites in polar and geostationary orbit

DISCUSSION

APT/WEFAX Conversion

The Appendix shows the latest status for LRIT/LRPT conversion for satellites in polar and geostationary orbit. Similar tables were reviewed at the thirty-second session (May 2004) of CGMS where the satellite operators discussed the dates when the new digital services would commence for their satellite systems and the duration of a transition period when both analogue and digital services would be available. The tables are also available on Internet through the WMO Space Programme home pages at <http://www.wmo.int/web/sat/APT_WEFAXstatus.html>.

STATUS FOR LRIT CONVERSION, SATELLITES IN GEOSTATIONARY ORBIT
(update November 2005)

Operator	Satellite	Launch (M/Y)	Service	Start	Stop	ADM service (NA, SN, PC, TNC) *
EUMETSAT	Meteosat 5	03/1991	WEFAX	03/91		
	Meteosat 6	11/1993	WEFAX	11/93		
	Meteosat 7	02/1997	WEFAX	07/97	12/03	
	MSG 1	01/2002	LRIT	01/04	2010	
	MSG 2	2002	LRIT	2005	2008	
	MSG 3	2007	LRIT	2008	2013	
India	INSAT I-d	06/1990	None			
	INSAT II-a	07/1992	None			
	INSAT II-b	07/1993	None			
	INSAT II-e	---	None			
Japan	GMS-5	03/1995	WEFAX	06/95	2004	
	MTSAT-1R	2004	WEFAX LRIT	2004 2004	2005 2009	
	MTSAT-2	2005	LRIT	2009	2014	
USA	GOES-8	04/1994	WEFAX/LRIT	11/94	04/03	
	GOES-9	05/1995	WEFAX/LRIT	01/96	05/03	
	GOES-10	04/1997	WEFAX/LRIT	06/97		
	GOES-11	05/2000	WEFAX/LRIT	09/00		
	GOES-12	07/2001	WEFAX/LRIT	04/03		
	GOES-N	12/2004	WEFAX/LRIT			
	GOES-O	2007	WEFAX/LRIT			
	GOES-P	2008	WEFAX/LRIT			
Russian Federation	Elektro-1	11/94	WEFAX			
	Elektro-2	2003	WEFAX			
	Elektro-3	TBD	LRIT			
China	FY-2B	06/00	WEFAX	01/01		
	FY-2C	2003	LRIT	2003		
	FY-2D	2006	LRIT	2006		
	FY-2E	2009	LRIT	2009		

* NA: not available, SN: service name, PC: planned with confirmation, TNC: tentative with no confirmation

STATUS FOR LRPT CONVERSION, SATELLITES IN POLAR ORBIT
(updated November 2005)

Operator	Satellite	Launch (M/Y)	Service	Start	Stop	ADM service (NA, SN, PC, TNC)
EUMETSAT	Metop-1	12/2005	LRPT	2006		
	Metop-2	12/2009	LRPT	2010		
	Metop-3	06/2015	LRPT	2015		
USA	NOAA-12	05/1991	APT	05/91		
	NOAA-14	12/1994	APT	12/94		
	NOAA-15	05/1998	APT	05/98		
	NOAA-16	09/2000	APT	09/00	11/00	
	NOAA17	06/2002	APT	06/02		
	NOAA-N	06/2004	APT	06/04		
	NOAA-N'	03/2008	APT	03/08		
	NPP – NPOESS Preparatory Project	10/2006	HRD (X-band) only			
	NPOESS-1	11/2009	LRD(AHRPT) and HRD(X-band)			
	NPOESS-2	06/2011	LRD(AHRPT) and HRD(X-band)			
	NPOESS-3	06/2013	LRD(AHRPT) and HRD(X-band)			
	NPOESS-4	11/2015	LRD(AHRPT) and HRD(X-band)			
	NPOESS-5	01/2018	LRD(AHRPT) and HRD(X-band)			
	NPOESS-6	2019	LRD(AHRPT) and HRD(X-band)			
China	FY-1C	05/1999	No APT or LRPT. CHRPT only			
	FY-1D	05/2002	No APT or LRPT. CHRPT only			
	FY-3A	2004	AHRPT and X-band only			
	FY-3B	2006	AHRPT and X-band only			
Russian Federation	Meteor 2-21	08/1991	APT	08/91		
	Meteor 3-5	08/1991	APT	08/91		
	Meteor-3M N1	12/2001	LRPT and AHRPT			
	Meteor-3M N2	2006	LRPT and AHRPT			
	Resourse-01-N4	---	APT			

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