

FORM NTIA-44 (3/91)		U.S. DEPARTMENT OF COMMERCE NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION		Classification UNCLASSIFIED	Control Number SPS-13096/3 FAS-798
CERTIFICATION OF SPECTRUM SUPPORT					
Recipient Agency Commerce	System GOES R-U Meteorological Satellites			Stage of Review 1 - Conceptual	

Section 1: OPERATING CHARACTERISTICS FOR WHICH SUPPORT IS CERTIFIED

Frequency (MHz)	Emission	Power (Peak) (w)	Station Class (Stage 4)	Function	Operating Location
401-403	400K00G9D	10	TM, TW	DCS	US&P
	N0N	30			
460-470	300K00G9D	4	EM	SARSAT	Space: 75° W, 135° W, 105° W (backup)
406-406.1	4K00G7D	5	TE		US&P
1544-1545	300K00G2D	3	EI	Telemetry Downlink	Space: 75° W, 135° W, 105° W (backup)
2200-2290	2M50G2D 2M00G2D	1	ET		
1670-1683	11MD1D	6.3	EM, EW	Sensor Data Downlink	Space: 75° W, 135° W, 105° W (backup)
7450-7550	64M8D1D	5.4			
8025-8175	64M8D1D	4.6			
8215-8400	64M8D1D	9			
18100-18300	64M8D1D	8.5			
25000-27000	64M8D1D	9			
2025-2110	30MD1D	117	TD, TW	Processed Data Uplink	Wallops Island, VA Greenbelt, MD
8175-8215	40MD1D	66			
1683-1698	15MD1D	151	EM, EW	Weather Data Downlink	Space: 75° W, 135° W, 105° W (backup)

Section 2: SOURCE DOCUMENTS

Docket Number	Description of Document	Dated
SPS-13003	Commerce Request for Stage 1 System Review	October 29, 2001
SPS-13085	NTIA Preliminary Assessment	January 14, 2002
SPS-13164	FCC Comments	March 12, 2002
SPS-13106	NASA Comments	January 31, 2002

Section 3: SPS RECOMMENDATIONS

The Spectrum Planning Subcommittee has reviewed this system under the provisions of Chapter 10 of the NTIA Manual, and recommends that:

1. NTIA certify Stage 1 spectrum support for the GOES R-U Meteorological Satellite system as specified in Section 1.
2. In the band 1544-1545 MHz, because of proposed increases in use of EPIRB operations by additional U.S. and foreign entities such as SARSAT, COSPAS, GMDSS or other similar systems, Commerce, in coordination with these entities, should strongly consider re-engineering this signal to promote compatible operations.

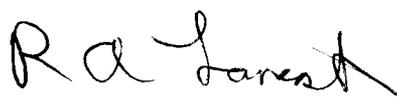
Downgrading Instructions	Classification UNCLASSIFIED	Page Number 1 of 3 pages
--------------------------	---------------------------------------	-----------------------------

FORM NTIA-44 (3/91)	Classification	System
CONTINUATION PAGE	UNCLASSIFIED	GOES R-U Meteorological Satellites

Section 3: SPS RECOMMENDATIONS (Continued)

10. For subsequent stages of review, Commerce provide:

- a) Complete technical information, including emission bandwidth for the transmitters/receivers, average power, antenna beamwidth, spurious and harmonics level data, for this system as required in Chapter 10 of the NTIA Manual.
- b) Coordination contours for the earth stations located at Wallops Island, VA and Greenbelt, MD.
- c) Appropriate ITU Appendix S4 information to the SSS to register the GOES R-U system.
- d) Continued pre-coordination with the Air Force.

Name/Title of Recommending Official	Signature	Date
Richard A. Lancaster, Chairman Spectrum Planning Subcommittee		APR 11 2002

Section 4: NTIA CERTIFICATION

The office of Spectrum Management certifies Stage 1 spectrum support for this system. This office concurs with the SPS recommendations in Section 3.

Name/Title of Certifying Official	Signature	Date
Karl B. Nebbia Deputy Associate Administrator		APR 11 2002

Distribution	Classification	Page Number
IRAC, SPS, FAS	UNCLASSIFIED	3 of 3 pages