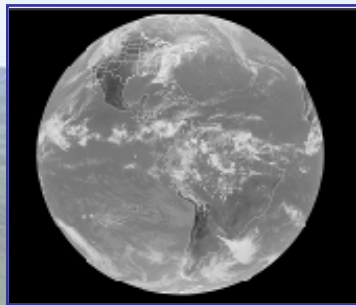# GOES-R Downlink Services for Users
Modifications in Satellite Interface Requirements to User Segments*

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GOES-R SATELLITE

GOES Re-Broadcast
Formerly GOES Variable Format

Key changes:
- Data rate, 31 Mbps
- Center freq., 1690 MHz
- Modulation, OQPSK/8PSK*
- FEC code, LDPC*
- Dual-circular polarization

*Not finalized

Emergency Managers Weather Information Network

Key changes:
- Data rate, 15.654 kbps
- New channel assignments

Low-Rate Information Transmission System
Formerly Weather Facsimile

Key changes:
- Modulation, OQPSK
- Data rate, 256 kbps
- New channel assignments

Data Collection System

Key changes:
- New channel assignments
- DCPC is now 300 bps, BPSK/CDMA
- DCPR 100 bps terminals not listed

Search and Rescue

Key changes:
- 100 bps beacons not listed

*Based on documents made available by the US Government

This poster does not reflect the views or policy of the GOES-R Program Office.