



National Oceanic and Atmospheric Administration (NOAA)

Low-Rate Information Transmission (LRIT) Future Plans

December 09, 2004



LRIT Future Plans



■ Background

- CGMS-XIX (1991) . . . Concept of replacement/growth of Weather Facsimile (WEFAX) initiated
- CGMS-XXVI (1998) . . . Digital Low-rate Information Transmission (LRIT) on Geostationary Meteorological Satellites committed to by all CGMS participants
 - except the United States
 - Implementation planning dates established
 - Satellite and Launch Date
- CGMS-XXVII (1999) . . . U.S. announced plans for Implementing LRIT on GOES - I/M



LRIT Future Plans



- LRIT Implementation
 - LRIT Transition schedules
 - GOES-east Timesharing – October 2003 thru March 2004
 - GOES-west Timesharing – November 2004 thru October 2005
 - LRIT Operations
 - GOES-east (LRIT Only) – March 1, 2005
 - GOES-west (LRIT Only) – October 1, 2005



LRIT Future Plans



- **GOES-N/O/P Era**

- Increase data rate from 128 kbps to 256 kbps
- Enhanced Data Sets and Additional Services
- Improve User-Terminal Processing

- **GOES-R Era**

- Increase data rate from 256 kbps to 512 kbps
- Additional Services
- Improve User-Terminal Processing



LRIT Future Plans



- LRIT Data Content

- “Day-1” will be the current WEFAX Product Set
- “Day-2” will be determined by the NOAA
- User input and concerns will be considered
- Approved and monitored by Satellite Products and Service’s Review Board (SPSRB)
Services Oversight Panel



LRIT Future Plans



- Affordable User Terminals
 - NOAA will continue coordination with EUMETSAT, JMA and CGMS
 - Investigate new technologies to reduce field terminal risks
 - NOAA will continue to working with the manufacturing community to provide reliable, low cost terminals