National Oceanic and Atmospheric Administration (NOAA)

Low-Rate Information Transmission (LRIT)

Future Plans

December 09, 2004
**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
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