

# AJC STM-N NON-PREEMPTIBLE CAPACITY (NUT)

## TECHNICAL SUMMARY

### General

- Non-Preemptible Unprotected Channel
- Unprotected traffic carried on protection locked-out channel which may not be preempted (eg by protection switches)

### System Parameters

- Transmission Capacity
- 9,953.280Mbit/s (STM-64) per wavelength
- Multiplex Configuration
- SDH (ITU-T Rec G.707)
- Protection Switching (HS Side)
- HS APS Disabled (ITU-T Rec G.841)
- Protection Switching (LS Side)
- Nil Span or Ring Protection
- Preemption by Protected Traffic
- Nil (Non-Preemptive)

### STM-N Interfaces

- STM-1 according to G.707 and G.958  
(155.520 Mbit/s)
- Optical Interface conforming to S-1.1 application code of ITU-T Rec G.957.
  - Mapping Structure: AU-4
- STM-4 according to G.707 and G.958  
(622.080 Mbit/s)
- Optical Interface conforming to S-4.1 application code of ITU-T Rec G.957.
  - Mapping Structure: AU-4 or AU-4-4 (four concatenated AU-4's)
- STM-16 according to G.707 and G.958  
(2488.32 Mbit/s)
- Optical Interface conforming to S-16.1 application code of ITU-T Rec G.957.
  - Mapping Structure: AU-4 or AU-4-4 (four concatenated AU-4's) or AU4-16c (sixteen concatenated AU-4's)

STM-64 pending user requirement

### Availability

- Intrinsic Equipment Design
- Target 99.9% available (two outages of up to four hours per year), excluding wet segment events.