



Media Over IP Facility Open Standards

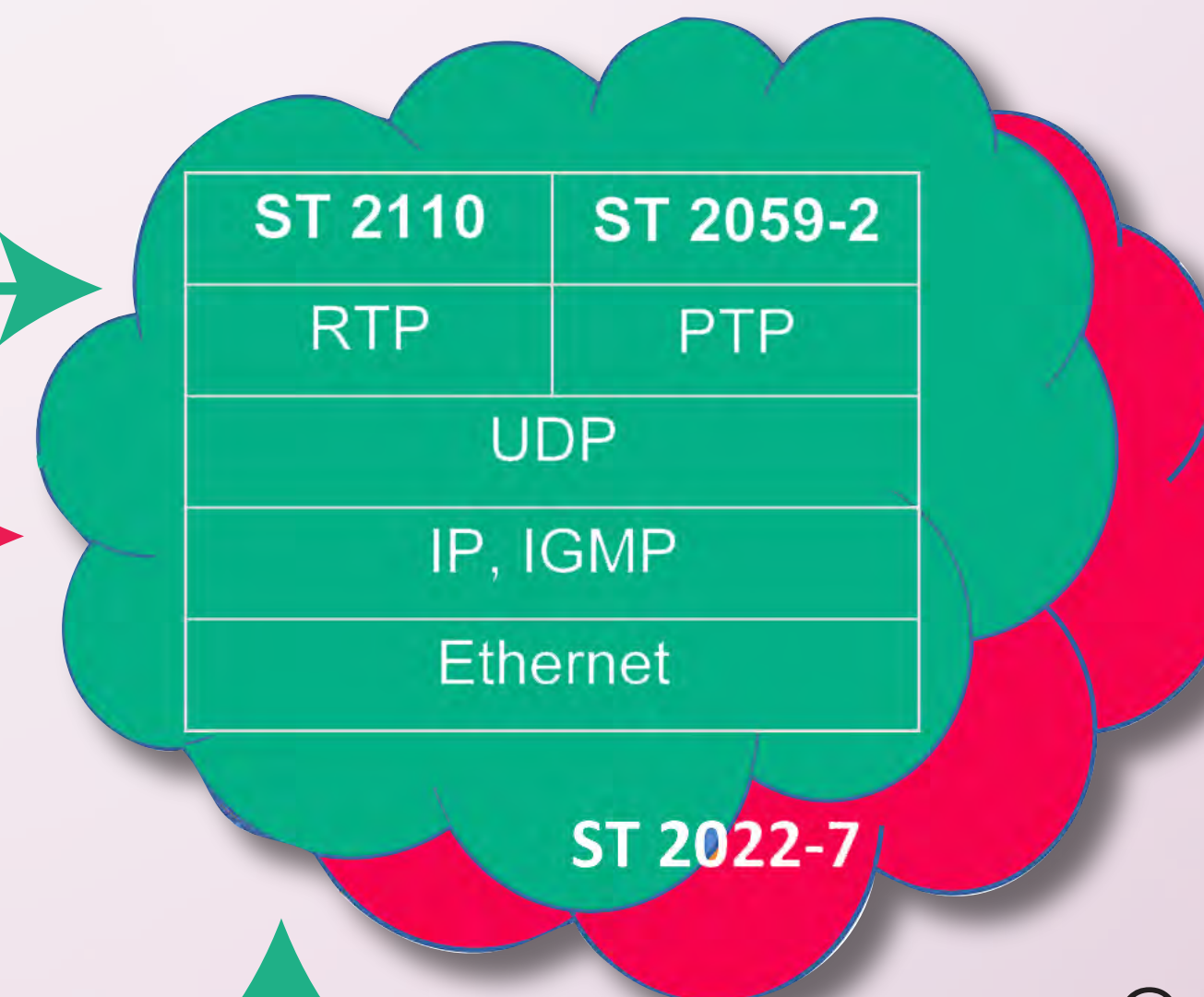
Based on JT-NM TR-1001-1 System Environment and Device Behaviors for SMPTE ST 2110 Media Nodes in Engineered Networks



STUDIO



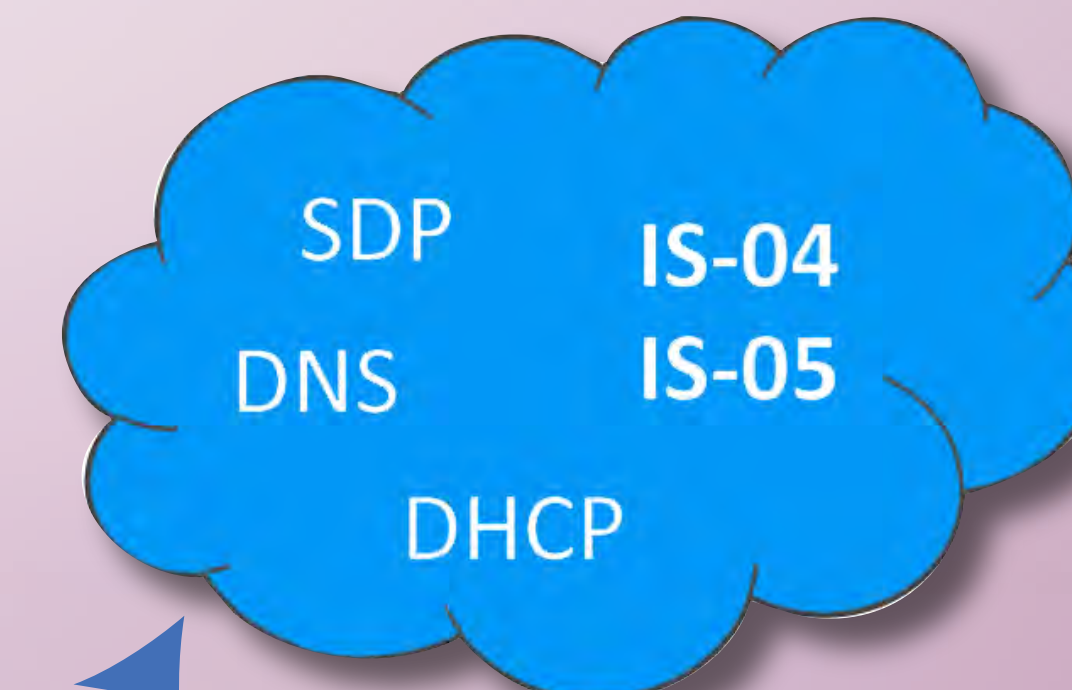
Redundant Media Networks



CONTROL ROOMS



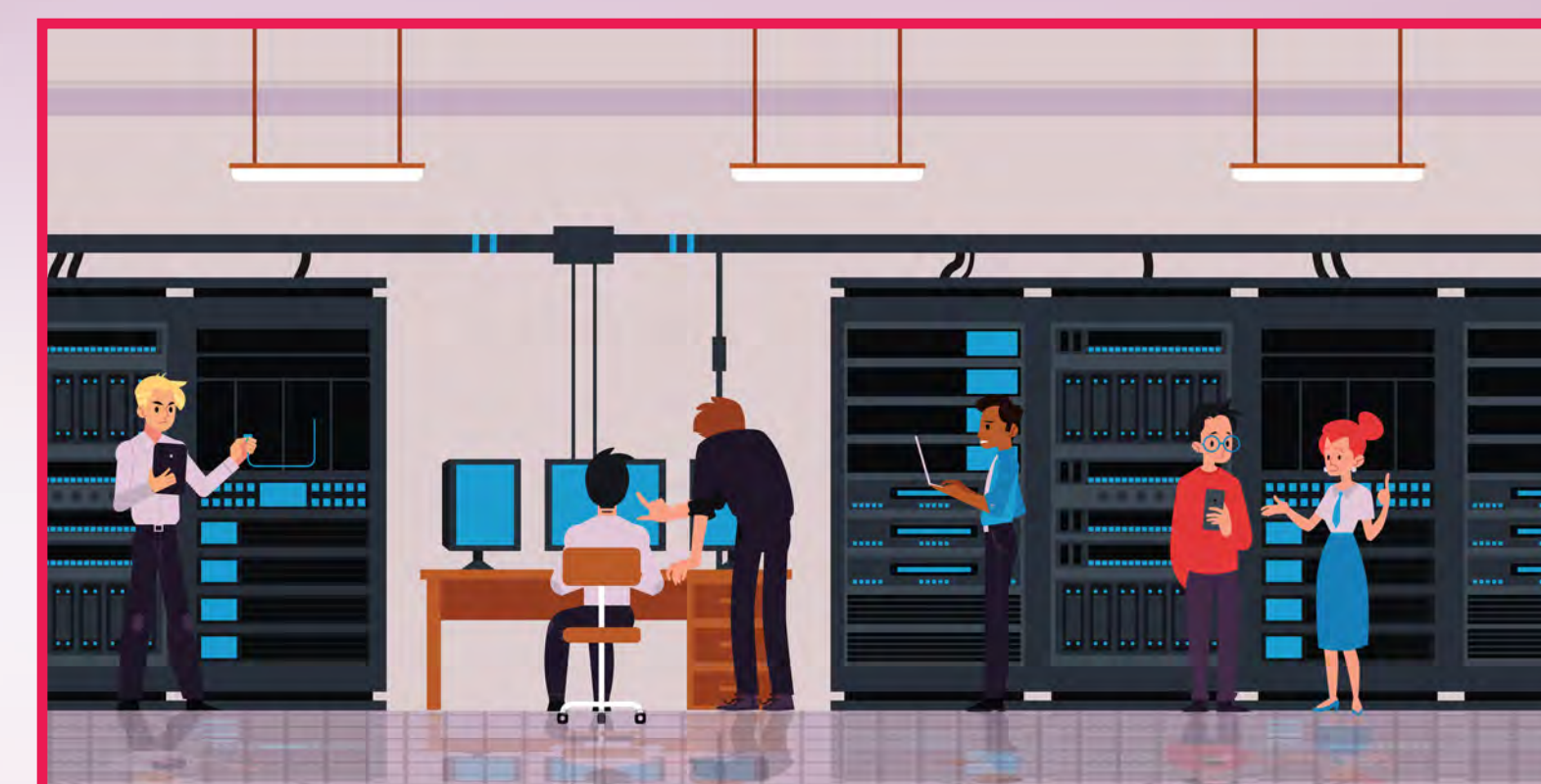
Control Network



SMPTE ST 2110 Suite Professional Media Over Managed IP Networks
SMPTE ST 2022-7 Seamless Protection Switching of RTP Datagrams
SMPTE ST 2059-1 Generation and Alignment of Interface Signals to the SMPTE Epoch
SMPTE ST 2059-2 SMPTE Profile for Use of PTP in Professional Broadcast Applications
IEEE 1588:2008 - IEEE Standard for a Precision Clock
Synchronization Protocol for Networked Measurement and Control Systems (PTPv2)
IETF RFC 3550 A Transport Protocol for Real-Time Applications (RTP)
IETF RFC 768 User Datagram Protocol (UDP)
IETF RFC 791 Internet Protocol (IPv4)
IETF RFC 3376 Internet Group Management Protocol (IGMPv3)
IEEE 802.3 Ethernet

AMWA IS-04 NMOS Discovery and Registration Specification
AMWA IS-05 NMOS Device Connection Management Specification
IETF RFC 4566 Session Description Protocol (SDP)
IETF RFC 2131 Dynamic Host Configuration Protocol (DHCP)
IETF RFC 1034 (etc.) Domain Names - Concepts and Facilities (DNS)
IETF RFC 6763 DNS-Based Service Discovery (DNS-SD)

Color Legend	
Green	Transport and Sync
Red	Redundancy
Blue	Control



SHARED PRODUCTION RESOURCES



COMMON SERVICES

Broadcast Controller
Media Node Registry
(IS-04)
Configuration
Management
DNS
DHCP
Directory Services