Comcast Technology Solutions removes complexity and capital costs from your digital video management architecture, so you can focus on delivering extraordinary experiences to your audience. Our National Authorization Service (NAS) Conditional Access (CA) services provide a flexible, economical solution to implement new digital technologies quickly. NAS allows you to receive, process, control, and distribute digital video, audio, and data services without a local access control system.

**HEADEND MANAGEMENT SERVICES**
- Headend device management
- STB authorization
- STB application delivery
- Guide data distribution
- 24x7 technical support

**NAS SUPPORTED SERVICES**
- Customized code download
- VOD
- uDTA service-tier encryption
- TiVo guides including:
  - R32 new EPG & multi-room-DVR support
  - TiVo DTA guide
  - Emergency Alert System (EAS)
  - Multiple billing and backend systems

**HOW NAS BENEFITS YOU:**
- Simple and economical digital video management and support for ARRIS headends
- Supports widely-used SD and HD set-top boxes (STBs) and DTAs from ARRIS, Pace, Technicolor, Evolution, and CableCARD compatible devices (e.g., TiVo)
- Flexibility to implement new technologies such as an all-digital conversion and video on demand (VOD) with limited upgrade costs
- Service tier encryption for uDTAs, providing systems with the option to set up DTAs with tiers within their billing environment, a low-cost solution for an all-digital system
- Reduced capital investment in equipment necessary to manage a digital system, including CA systems, guide distribution servers, centralized CASMR and application carousels
- 24x7 support through Comcast National Video Operations Center
**NAS SUPPORTED DEVICES AND BILLING SYSTEMS**

**ROM-BASED SET TOPS**

- DCT-1000p0 Pre-QUOD (314K or 450K)
- DCT-1000p1 QUOD, Phase 2 AVI
- **DCT-2000 Phase 2.1, 2.2, 2.3**
- DCT-2000 Phase 2.4, 3, 4, 4.1, 6
- **DCT-1800 Phase 1**
- **DCP-501, DCP-503**

**2000 CLASS**

- DCT-2000 Phase 7, Phase 8, Phase 9
- DCT-1700 Phase 0, 1
- **DCT-700 Phase 0, 1, 2, 2.7**
- DCH-200, DCH-100, DCH-70

**2500 CLASS**

- DCT-2500 Phase 0, 2, 3, 4
- DCT-1800 Phase 3, 4
- **DCX-3300M**
- **DCX-3501M**
- **DCX-3510M**
- **DCX-3520eM**
- **DCX-4220e**
- **DCX-3200p1, Mp1, p2, Mp2**
- **DCX-700, M**
- **DCX-700e, eM**
- **DCX-3200Mp3**
- **DCX-3210e**
- **DCX-3220e**
- **DCX-525e**

**ADVANCED SET TOPS**

- DCT-5100, DCT-5100 DVI
- **DCT-6200/1xxx 64MB Phase 0-1, 2**
- **DCT-6200/2xxx 128MB Phase 0-1, 2**
- **DCT-6208/1xxx 64MB Phase 0-1, 2**
- **DCT-6208/2xxx 128MB Phase 0-1, 2**
- **DCT-6412 & DCT-6416 Phase 1, 2, 2.3**
- **DCT-6412 & DCT-6416 Phase 3**
- **DCT-3412, DCT-3416**
- **DCT-3080**
- **DCH-6416, DCH-3416**
- **DCH-6200, DCH-3200**
- **DCX-3400**
- **PACE**
  - TDC779X, -M, All Analog CableCard
  - TDC780X Tahoe Analog CableCard
  - **S-CableCard**
  - **M-CableCard Phase 1-2,3**

**DTA SERVICE TIER ENCRYPTION EDGE DEVICE FIRMWARE REQUIREMENTS**

- Apex 2.6.5/SEM 7.4.7
- SCTE-52 Encryption mode required

**NAS SUPPORTED BILLING SYSTEMS**

- Amdocs
- Azar Computer
- CSG
- Conexxn
- ETI
- MACC
- Great Lakes Data Systems
- Innovative Systems
- RR Enterprises
- Subscribernet
- Northland
- Convergys

**ABOUT COMCAST TECHNOLOGY SOLUTIONS**

Comcast Technology Solutions provides a portfolio of media, entertainment, and technology solutions. We invent technology that solves industry challenges, reimagines what is possible, and transforms business through new innovations. Built on Comcast’s know-how, proven facilities, platforms, and infrastructure, Comcast Technology Solutions offers more than 20 years of reliable real-world broadcast and digital experience. We partner with customers to redefine business strategies and deliver the future to global audiences.

**FIND OUT MORE**

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