Unique Deployment Challenges for Mobile Video in the Enterprise

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NASA TV Distribution Architecture

◆ Three Programmed Channels: NTV-1 (Public), NTV-2 (Education), NTV-3 (Media)
  ♦ Playout to Satellite AMC-18, to Ustream (2 Mbps), and to Limelight (1 Mbps, 400 kbps, 200 kbps)
  ♦ Embedded JW Player configured for HLS via Flash or native HLS, or Ustream player.

◆ Space Station View (1.2 Mbps) and HDEV (2.5 Mbps) are web only
  ♦ Ustream ([http://www.ustream.tv/channel/live-iss-stream](http://www.ustream.tv/channel/live-iss-stream) and [http://www.ustream.tv/channel/iss-hdev-payload](http://www.ustream.tv/channel/iss-hdev-payload))

◆ Support event streaming as well
Internal Video Distribution

- Mostly Broadcast video distribution between Centers
- Centers have traditional cable and/or IPTV to TVs and Desktops.
- Mobile support is spotty to date
  - Support public content for mobile
  - Some locations down-convert conventional or IPTV for streaming
- Issues:
  - Cost
  - Accessibility
Other NASA Video Content

- Main NASA site is best for finding topical public content:
  - [http://www.nasa.gov/multimedia](http://www.nasa.gov/multimedia)
- YouTube is primary for public on-demand video:
  - [http://www.youtube.com/nasa](http://www.youtube.com/nasa)
- Working on central location to find/browse NASA imagery
  - [http://nasaimages.org](http://nasaimages.org)