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**MSTV**

ASSOCIATION FOR **MAXIMUM SERVICE TELEVISION, INC.**

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Washington, DC 20036

**RECEIVED**

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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September 5, 2002

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
TW-B204  
Washington, D.C. 20554

*Ex parte* Notification  
CS Docket No. 98 -120  
*In re* Carriage of Digital Television Broadcast Signals

Dear Ms. Dortch:

On Thursday, September 4, 2002, Victor Tawil, Sr. VP Engineering and I met with Commissioner Kathleen Abernathy and her staff. We discussed issues related to MSTV's comments in the above reference proceeding, including issues relating to PSIP, primary video and material degradation. The attached documents were distributed during the meeting.

Sincerely,



David L. Donovan  
President

Enclosures

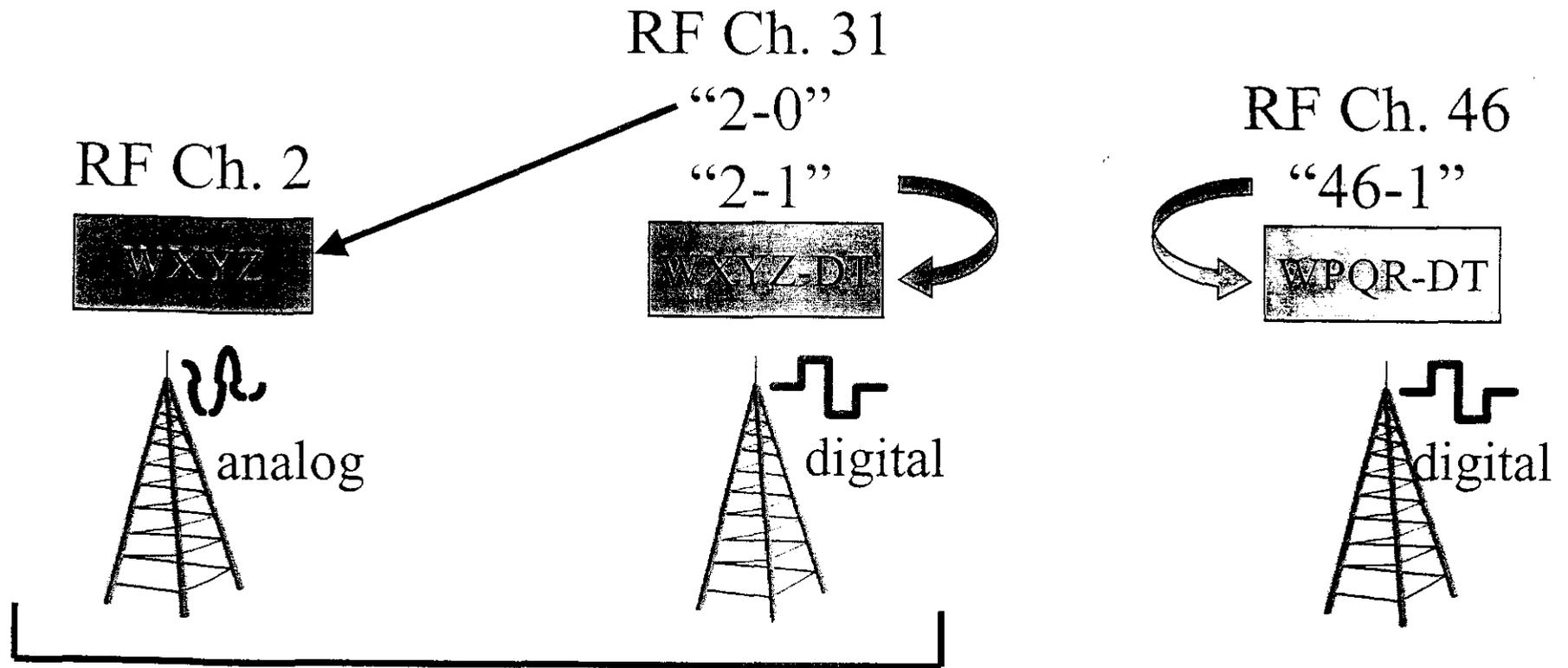
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# Program and System Info Protocol

- PSIP features:
  - allows navigation and access to each of the channels within the Transport Stream
  - preserves channel branding
  - program guide (from 12 hours to 16 days)
  - gives the user information for browsing and selection
  - key system info (e.g., carrier freqs and source ID's)
  - rating and content advisory info
- ATSC Receiver can scan active channels for PSIP and can build an integrated guide.

# Major-Minor Channel Number Example



*An existing analog broadcaster with a second digital channel. Branding is preserved. The DTV RF channel number is hidden from the viewer!*

*A digital-only broadcaster (no analog channel)*

# Program Guide Formation



| April 8, 2000 |                      |   |         |   |         |              |         |
|---------------|----------------------|---|---------|---|---------|--------------|---------|
| Chan          | Name                 | 6:00 pm                                 | 6:30 pm | 7:00 pm   | 7:30 pm | 8:00 pm      | 8:30 pm |
| 12-0          | NBZ                  | Local News                              |         | "Dino World"  |         |              |         |
| 12-1          | NBZ<br>News & Movies | Local News                              |         | "Dino World"<br>(1997) Harrison Pontiac, Peg O'Ryan<br>Dinosaurs eat Newark, NJ in this<br>Francis Ford Spielberg oscar-winning film.<br>PG-13 CC (Eng, Fr) |         |              |         |
| 12-2          | NBZ-S                | Soccer - World Cup<br>Subscription Only |         |   | Golf    | Table Tennis |         |

VCT

ETT-V

EIT-0

Conditional Access

ETT-0

RRT

Caption Service

# PSIP Tables

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| <u>Table</u> | <u>Description</u>   |
|--------------|--|
| STT          | <u>System Time Table</u> - provides date and time  |
| MGT          | <u>Master Guide Table</u> - provides version, size and PID's of all other tables (except STT)        |
| VCT          | <u>Virtual Channel Table</u> - provides attributes for all virtual channels in this Transport Stream |
| RRT          | <u>Rating Region Table</u> - provides rating information for multiple geographic regions             |
| EIT          | <u>Event Information Table</u> - provides information for events on the virtual channels             |
| ETT          | <u>Extended Text Table</u> - provides detailed descriptions of virtual channels and events           |

# Channel TSID - What and Why?

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- Channel TSID is a 16-bit number that stands for
  - Transport Stream ID (digital)
  - Transmission Signal ID (analog )
- The receiver may use the Channel TSID to verify that the Transport Stream acquired at the referenced carrier frequency is actually the desired multiplex.
- Can help resolve co-channel issues and instances where a DTV signal frequency is translated without modification of listed carrier frequency.