



## FAQ - Frequently Asked Questions

Q. What is PSIGEN?

A. PSIGen is a PSI/SI Server that makes it easy for operators to implement digital television and maintain their scheduled services. The MPEG-PSI (facilitating the generation of PAT, CAT and PMT tables) and DVB-SI table generator (facilitating the generation of NIT, SDT, EITpf and EITs actual/other tables) and Table Generator with standard DVB-ASI and IP output provide further support for even the simplest multiplexing systems.

Q. What are the tables generated from the PSIGEN system?

A. All SI and PSI tables are generated from the PSIGEN system.

### **DVB SI (Service Information) Tables:**

- NIT - Network Information Table
- SDT - Service Description Table
- EIT - Event Information Table
- EIT - Present/Following and schedule
- BAT - Bouquet Association Table
- Actual/other tables supported

### **MPEG-2 PSI (Program Specific Information) Tables:**

- PAT - Program Association Table
- PMT - Program Map Table
- CAT - Conditional access table

Q. Why do I need an external PSI/SI Server?

A. Following are the reasons for which the user should select an external SI/PSI System

- To send Tuning Information
- Channel Number Sorting For Digital Television using Logical Channel Number (LCN)
- Creating Channel Bouquet and Sub Bouquet
- Content Descriptor to define the type of content (comedy, talk show etc.)
- To define Parental Ratings for events
- Sending Timing Information (TDT/TOT)
- Extended EPG Support
- To Support Middleware (Open TV Supported)
- To inject customized and private descriptors

Q. How the PID for multiple TS is managed?

A. PSIGEN generates PSI/SI tables for multiple Transport Streams and sends them out into one output to all MUXes where they must be remultiplexed.

To prevent PID conflicts, all tables for each TS obtain a PID off-set. In the MUXes, the PID's must be mapped back to the original values as defined by MPEG and DVB. The PID offset values can be defined in the configuration file.

Q. Will only one Hardware (server) be used for complete EPG as well as complete PSI/SI

A. Yes. PSIGEN is a 1RU server with the software and that will work for both EPG and generation of PSI/SI tables.

Q. Will we be able to manually change the ongoing EPG information if there is any correction needed.

A. Yes. The user has a EPG editor window where the information for the events can be modified.

Q. Can we insert the EPG for local channel?

A. Yes. An EPG can be made in an Excel format and imported to the system or the event information for the local channels can be manually added into the system.

Q. Can we broadcast the OTA firmware through your server?  
A. Yes. The system supports sending the OTA data for software update.

Q. Do the system support LCN (Logical Channel Numbering)  
A. Yes

Q. Does the system support descriptors for NVoD (Near Video On Demand) Services ?  
A. Yes.

Q. Does the system support descriptors for Mosaic Services ?  
A. Yes.

Q. Will the output of the system would be IP stream or ASI stream?  
A. The PSIGEN system comes in two version with two models : one with a ASI output and one with a IP output. The user can decide on the output at the time of ordering of the product

Q. Where all the system is installed?  
A. The system is installed at 15 sites across India.  
All Sites of IMC (Ahmedabad, Baroda, Mumbai, Bangalore, Kolhapur, Nagpur, Belgaon, Nashik)  
Digicable (Delhi, Bangalore and Mumbai)  
Sun Direct (Chennai) in Redundant mode  
Manthan Broadband Services, Kolkata  
CCBN, Siliguri

Q. What are support services on products?  
A. The product comes with a free Products Maintenance/Support (Updates, Fixes) for a period of one year from date of installation. After one year the user needs to sign up a SLA (Service Level Agreement) for supporting the products.



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