

Service Description

This document provides a service description of the Digital Distribution Australia Pty Ltd (DDA) DVB ASI service suitable for transmission of regional broadcast contribution and distribution services.

The DVB ASI services are the transport of a Broadcast quality digital television signal between two Television Studios or between a Television Studio and a remote Public Television Transmitter Site.

Class of Service

The DVB ASI service is an “expedited” class of service with dedicated bandwidth across the DDA network and it has strict end to end performance characteristics for low latency and jitter.

Configuration

DVB ASI services are usually configured as point to multi-point to enable the Broadcaster Customer to feed several different Television Transmitter sites simultaneously. Data encapsulation may be used by the customer as part of the DVB stream.

These circuits are configured as permanent services using IP / ME /DVB technology. These services are used for digital television services.

Service Specification

Service Parameter	DVB ASI
Configuration	Point to Multipoint
Standards	DVB ASI
Bandwidth	From 5Mbps to 270Mbps
Availability	99.95%
Performance	Per ETSI ETR 290 / TR 101 290 standards
FEC	Applied by DDA
Physical Connectors	BNC, 75 ohms
Cabling	Coaxial Cable
Commissioning standards	ETSI ETR 290 / TR 101 290

Service Level Agreement

- Service measured at the DVB-ASI interface.
- Measured in accordance with ETSI ETR 290 / TR 101 290, monitoring Priority 1 alarms. The duration of every alarm is an outage and contributes to the calculation of the total Unavailable time.
- Multiple alarms within a 10 second period are counted as a 10 second outage.
- Annual availability is the inverse of unavailability. Unavailability which is the sum of all outages due to either equipment failure or circuits breaks.