

## ATM Conformance Definitions

Service Category and Conformance Definition values:

Supported Traffic Descriptor Combinations for ATM: UNI 4.1, UNI 4.0, UNI 3.1

Service Category	CBR	rt-VBR	rt-VBR	rt-VBR	nrt-VBR	nrt-VBR	nrt-VBR	ABR	UBR	UBR	GFR	GFR
Conformance Definition	CBR.1	VBR.1	VBR.2	VBR.3	VBR.1	VBR.2	VBR.3	ABR	UBR.1	UBR.2	GFR.1	GFR.2
PCR, CDTV	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1	Spec on CLP=0+1
SCR, MBS		Spec on CLP=0+1	Spec on CLP=0	Spec on CLP=0	Spec on CLP=0+1	Spec on CLP=0	Spec on CLP=0					
MCR								Spec.			Spec.	Spec.
BCS									Spec.	Spec.		
MDCR									Spec.	Spec.		
Best Effort Indicator									Spec.	Spec.		
Tagging Supported	No	No	No	Yes	No	No	Yes	No	No	Yes	No	Yes
Frame Discard Supported	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
MaxCTD	Op	Op	Op	Op								
Peak-to-Peak CDV	Op	Op	Op	Op								
CLR	Op on CLP=0+1	Op on CLP=0+1	Op on CLP=0	Op on CLP=0	Op on CLP=0+1	Op on CLP=0	Op on CLP=0	Op on CLP=0			Op on CLP=0	Op on CLP=0
QoS Class	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Op	Op	Note 1	Note 1

**Table 4.1.5A: UNI 4.1 Supported Traffic Descriptor Combinations**

# ATM Conformance Definitions

Service Category	CBR	rt-VBR	rt-VBR	rt-VBR	nrt-VBR	nrt-VBR	nrt-VBR	ABR	UBR	UBR
Conformance Definition	CBR.L1	VBR.L1	VBR.L2	VBR.L3	VBR.L1	VBR.L2	VBR.L3	ABR.L	UBR.L1	UBR.L2
PCR, CDTV	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP=0	Spec on CLP= 0+1	Spec on CLP= 0+1
SCR, MBS		Spec on CLP= 0+1	Spec on CLP= 0	Spec on CLP=0	Spec on CLP= 0+1	Spec on CLP=0	Spec on CLP=0			
MCR								Spec.		
BCS										
MDCR										
Best Effort Indicator									Spec.	Spec.
Tagging Supported	No	No	No	Yes	No	No	Yes	No	No	Yes
Frame Discard Supported	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
MaxCTD	Op	Op	Op	Op						
Peak-to-Peak CDV	Op	Op	Op	Op						
CLR	Op on CLP= 0+1	Op on CLP= 0+1	Op on CLP=0	Op on CLP=0	Op on CLP= 0+1	Op on CLP=0	Op on CLP=0	Op on CLP=0		
QoS Class	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	<i>Op</i>	<i>Op</i>

**Table 4.1,5B: UNI 4.0 Supported Traffic Descriptor Combinations**

Service Category	<i>The UNI 3.1 standard does not recognize service categories. They were introduced with UNI 4.0. UNI 3.1 uses QoS classes.</i>				
Conformance Definition	PCR.L1	PCR.L2	P&SCR.L1	P&SCR.L2	UBR.L3
PCR, CDTV	Spec on CLP=0 & 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1	Spec on CLP= 0+1
SCR, MBS			Spec on CLP=0	Spec, on CLP= 0+1	
MCR					
BCS					
MDCR					
Best Effort Indicator					Spec.
Tagging Supported	Yes	No	Yes	No	No
Frame Discard Supported	No	No	No	No	No
MaxCTD					
Peak-to-Peak CDV					
CLR					
QoS Class	Spec.	Spec.	Spec.	Spec	<i>QoS is set to "0" in this case</i>

**Table 4.1.5C: UNI 3.1 Supported Traffic Descriptor Combinations**

Key:

Spec. specified

Blank not specified

Y/N either is allowed

Op optional QoS parameter: may be specified, may be inferred from the QoS Class, or may be inferred from internal service provider established objectives if the "Unspecified" QoS Class (QoS Class=0) is used

Note 1 If the optional QoS Parameters are specified, QoS class is not specified, otherwise a QoS Class must be specified. QoS class definitions should follow the guidelines provided in the relevant UNI specification or may be defined by the service provider consistent with EMS and NE capabilities

#### Source of Conformance Definitions:

UNI 4.1 – Refer to ATM Forum, "Traffic Management Specification Version 4.1", AF-TM-0121.000, March 1999, Addendum AF-TM-0149.000, July 2000, and Addendum AF=TM-0150.000, July 2000.

UNI 4.0 – Refer to ATM Forum, "Traffic Management Specification Version 4.0", AF-TM-0056.000, April 1996.

## ATM Conformance Definitions

UNI 3.1 – Refer to ATM Forum, “ATM User-Network Interface Specification Version 3.1”, AF-UNI-0010.002, 1994.

## Administrative Appendix

### Document History

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Version	Date	Description of Change
3.0	November 2006	Conversion to new template.

### Acknowledgments

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First Name	Last Name	Company

### How to comment on this document

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Comments and requests for information must be in written form and addressed to the contact identified below:

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Please be specific, since your comments will be dealt with by the team evaluating numerous inputs and trying to produce a single text. Thus we appreciate significant specific input. We are looking for more input than wordsmith” items, however editing and structural help are greatly appreciated where better clarity is the result.