N.B. Since version 3.0, traffic descriptors (TDs) are superseded by transmission descriptors (TMDs). The document is kept for compatibility with previous versions.

Parameter	Description	Name and Value
ADTF	ACR (Allowed Cell Rate) Decrease Time Factor, ADTF, is the time permitted between sending RM cells, before the rate is decreased to ICR.	Name: ADTF Value: string encoded time in milliseconds from “10” to “10230” in 10 millisecond increments
BEST	Best effort, BEST, indicates whether best effort behaviour is in effect.	Name: BEST Value: string encoded boolean (i.e., “TRUE” or “FALSE”)
CDF	Cutoff Decrease Factor, CDF, controls the rate decrease associated with lost or delayed backward RM cells.	Name: CDF Value: string encoded value, x, ranging from 0 to 6 and including “infinity”, which represents $1/2^x$ (i.e., represents the values of 1 to 1/64 and 0)
CDV	The maximum peak-to-peak cell delay variation, CDV; Max Peak-to-Peak CDV is an ATM QoS parameter associated with the CBR and rt-VBR service categories. The Max Peak-to-Peak CDV is the (1-a) quantile of the cell transfer delay minus the fixed cell transfer delay that could be experienced during the entire connection holding time. The parameter “a” is the probability of a cell arriving late or being lost. See CDTV	Name: CDV Value: string encoded integer in cells/second
CDVT	The Cell Delay Variation Tolerance, CDVT, upper bound on the cell delay variability expected on a conforming connection	Name: CDVT-<qualifier> <qualifier> is “0” or “0+1” Value: string encoded integer in microseconds
CLR	The Cell Loss Ratio CLR, is the maximum permissible cell loss ratio.	Name: CLR Value: string encoded number n where n is 10^-n
CLRCLP	Cell Loss Ratio.	Name: CLRCLP-<qualifier> <qualifier> is “0” or “0+1” Value: string encoded number n where n is 10^-n
CTD	The maximum cell transfer delay, CTD; Max CTD is the (1-a) quantile of the cell transfer delay. The parameter “a” is the probability of a cell arriving late or being lost. See CDTV.	Name: CTD Value: string encoded integer in microseconds
FDISCARD	Frame Discard. Indicates whether cells are allowed to be treated as part of higher-layer frames.	Name: FDISCARD Value: string encoded boolean (i.e., “TRUE” or “FALSE”)
FRTT	Fixed Round-Trip Time, FRTT, is the sum of the fixed and propagation delays from the source to the destination and back.	Name: FRTT Value: string encoded time in microseconds representing values from 0 to 16.7 seconds (i.e., values of “0” to “16700000”)
ICR	The Initial Cell Rate, ICR, is the rate at which a source should send initially and after an idle period.	Name: ICR Value: string encoded integer in cells/second
MBS	The Maximum Burst Size, MBS, is the upper bound on the largest number of back-to-back cells that can be sent at PCR.	Name: MBS-<qualifier> <qualifier> is “0” or “0+1” Value: string encoded integer in cells/second
MCR	The Minimum Cell Rate, MCR, is the rate at which the source is always allowed to send.	Name: MCR Value: string encoded integer in cells/second
MCR-SUPPORTED	An indicator of whether or not Minimum Cell Rate is to be supported.	Name: MCRSUPPORTED Value: string encoded boolean (i.e., “TRUE” or “FALSE”)

Parameter	Description	Name and Value
NRM	Number RM, NRM, is the maximum number of cells a source may send for each forward RM-cell.	Name: NRM Value: string encoded number; one of {2, 4, 8, 16, 32, 64, 128, 256}.
PCR	The Peak Cell Rate, PCR, is upper bound on the traffic rate that can be sent over a connection.	Name: PCR-<qualifier> <qualifier> is “0” or “0+1” Value: string encoded integer in cells/second
RDF	The Rate Decrease Factor, RDF, controls the decrease in the cell transmission rate.	Name: RDF Value: same as RIF
RIF	Rate Increase Factor, RIF, controls the amount by which the cell transmission rate may increase upon receipt of an RM-cell.	Name: RIF Value: string encoded integer, x, ranging from 0 to 15 which represents $1/2^x$ (i.e., represents the values of 1 to 1/32768)
SCR	The Sustainable Cell Rate, SCR, is average traffic rate that can be sent over a connection.	Name: SCR-<qualifier> <qualifier> is “0” or “0+1” Value: string encoded integer in cells/second
TAG	Cell tagging, TAG, is the ability to set the CLP bit to 1.	Name: TAG Value: string encoded boolean (i.e., “TRUE” or “FALSE”)
TBE	Transient Buffer Exposure, TBE, is the number of cells that the network would like to limit the source to sending during startup periods, before the first RM cell returns.	Name: TBE Value: string encoded number (e.g., “10”)
TRM	Time RM, TRM, is the upper bound on the time between forward RM cells for an active source.	Name: TRM Value: string encoded number, k, in the range between 0 and 7 representing values computed as 100 * 2^(-k)

Revision History

Version	Date	Description of Change
3.0	April 2005	

Acknowledgements

<FirstName>	<LastName>	<Company>

How to comment on the document

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.