



SIN 218

Issue 3.1

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Suppliers' Information Note

For The BT Network

BT MegaStream 34 Service Description

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Enquiries relating to this document should be directed to: sinet.helpdesk@bt.com

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1. Introduction

This Suppliers' Information Note (SIN) describes the BT MegaStream 34 service and provides technical information for terminal equipment (TE) manufacturers and suppliers.

2. Service Outline

BT MegaStream 34 is an inland point to point leased high speed digital service operating at 34,368kbit/s and is presented to the customer via an ITU-T Recommendation G.703^[1] interface.

The user network interface is located at the connectors on the BT network Terminating Equipment (NTE). These connectors are 75 ohm BNC, one for each direction of transmission, with the sockets being used on the BT side of the interface and plugs on the customer side. The physical dimensions required for BNC connector compatibility are specified in figure 2 of BS 9210 N0001:Part 2:1982^[2]

2.1 MegaStream 34

The service will support either a frame structure in accordance with ITU-T Recommendation G.751^[3] or an unstructured signal. It is, however, recommended that a frame structure in accordance with ITU-T Recommendation G.751 is used.

2.2 MegaStream 34 Aggregate

The MegaStream 34 Aggregate interface option has been withdrawn. Aggregated services can still be delivered via the MegaStream 155 Aggregate Interface.

3. Further Information Contact Point

For “sales and marketing” information about this service please telephone BT Business Sales on 0800 800152. Alternatively please contact your Company’s BT account manager.

If you have enquiries relating to this document then please contact: sinet.helpdesk@bt.com

4. References

[1]	ITU-T Recommendation G.703 - Physical/Electrical Characteristics of Hierarchical Digital Interfaces.
[2]	British Standard BS 9210:N0001 - Electronic Components of accessed quality: Radio Frequency connector type BNC, sealed, soldered, captive contact 50ohm. Part 2 : Issue 2 Control drawings, mating face details and gauge information.
[3]	ITU-T Recommendation G.751 - Digital multiplex equipment operating at the third order bit rate of 34 368 kbit/s and the fourth order bit rate of 139 264 kbit/s and using positive justification.

For further information or copies of referenced sources, please see document sources at <http://www.btplc.com/sinet/>

5. Glossary

BNC	Bayonet-Neill-Concelman
CCITT	The International Telegraph and Telephony Consultative Committee (Former name of ITU-T)
ITU-T	International Telecommunications Union for Telecommunications
NTE	Network Terminating Equipment
PDH	Plesiochronous Digital Hierarchy
SIN	Suppliers' Information Note
TE	Terminal Equipment

6. History

Issue 1	January 1996	First Issued..
Issue 2	February 1997	Includes aggregate interface.
Issue 2.1	April 2001	Editorial changes.
Issue 2.2	January 2003	Approval Requirements statement removed, information available via SINet Useful Contacts page. Document re-formatted, Glossary added, section numbering revised.
Issue 3.0	February 2008	Statement included that Megastream 34 Aggregate interface has been withdrawn. References to the Aggregate interface removed, as appropriate.
Issue 3.1	June 2016	Change SINet site references from http://www.sinet.bt.com to http://www.btplc.com/sinet/

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