# Exhibit No.___(WGR-7b)

# Docket No. UT-023003

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# GR-303 Integrated Access Platforms

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Become a Member of the Integrated Access System (GR-303) Interest Group and r announcements related to Telcordia Integrated Access System generic requirement

## What is GR-303?

Network providers are looking to deploy Next Generation Integrated Digital Loop Ca IDLC) systems that take advantage of leading edge technology. These systems can operating and capital equipment costs while delivering a full range of telecommunica services. Telcordia GR-303 family of requirements specifies a set of NG-IDLC gene creates an Integrated Access System, supporting multiple distribution technologies architectures (e.g., DSL, HFC, Fiber-to-the-Curb, etc.), and a wide range of service and broadband) on a single access platform.

Telcordia GR-303, Integrated Digital Loop Carrier System Generic Requirements, C Interface, defines a set of requirements for Next Generation Integrated Digital Loop IDLC) systems that includes open interfaces for mix-and-match of Local Digital Swit with Remote Digital Terminals (RDT).

As LDS/RDT/EMS (Element Management System) implement GR-303 requirement network providers plan for wider deployment of NG-IDLC systems, technical and bu are being identified that must be addressed. As these issues are identified, Telcord the GR-303 requirements by updating them to reflect vendor design and network pl deployment experiences in a manner that continues to promote the mix-and-match This work will include generating proposed modifications or additions to the existing requirements in GR-303-CORE. In addition, Telcordia will organize, plan, and partic two GR-303 Industry Forums. Telcordia will work with funders to address and resol implementation issues related to GR-303 NG-IDLC systems.

for the delivery of integrated voice and high-speed data access has changed the foc recent market entries. Many distributed access systems now require an "edge" devi customer premises that provides the voice-grade service interfaces (e.g., "POTS" lir addition to a high-speed data interface. In addition, some distributed access system packetized-voice transport to increase the access network bandwidth efficiencies, a foundation for the deployment of new ("next generation") advance voice services, st promised in a soft-switch service environment.

Telcordia has completed the development of two new generic requirements (GR) dc addressing the use of Packet Voice technology in the Local Exchange Carrier (LEC) network.

- GR-3109-CORE, Generic Criteria for Packet Voice Integrated Digital Loop Ci IDLC) Systems
- GR-3110-CORE, Generic Criteria for Packet Voice Integrated Digital Loop Ci IDLC) Systems Operation and Management

These documents are available for purchase from the Telcordia Information Supersi information on these two important Generic Requirements (GR) documents are prov

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The GR-303 family of Integrated Access System requirements consists of:

- **GR-303-CORE Issue 4, "IDLC Generic Requirements, Objectives, and In December 2000 and the associated Issues List Report: GR-303-ILR Issu December 2000**
  Defines end-to-end functional requirements for Integrated Access system, an generic (open) narrowband interface to a local digital switch in support of tele services.

- **GR-303-IMD, IDLC System Generic Operations Interface (formerly TR-TS Supplement 3), Issue 1, December 1998**
  This document replaces TR-TSY-000303, Supplement 3, and all its Revision: NWT-002966 "Implementation Aid on Translation of IDLC TR303 Sup3 Macr Defines the requirements for operations communication using CMIS and ASI EOC of GR-303-based access systems. These requirements include the mar services, the managed objects of an information model that the services refe ASN.1 descriptions of the information associated with the services and mana These requirements are the basis of the EOC communications used by today GR-303-based switches.

- **GR-2833-CORE Issue 3, Revision 2, "Generic Operations Interfaces Usi Information Model for IDLC and FITL Systems", and the associated Issu Report: GR-2833-ILR Issue 3C, December 1998**
  Defines a set of managed objects for Integrated Access System Remote Dig (RDTs). These requirements are the basis for RDT<=>Element Managemen (EMS) communications.

- **GR-2905-CORE, Issue 2, October 1997, Revision 1, "Generic Requirem Applications for Management of IDLC Systems", and the associated Is Report: GR-2905-ILR Issue 2B, December 1998**
  Defines the interface between an Element Management System (EMS) and well as the interface between and EMS and a Network Management Syster

To purchase these GR documents, visit the Telcordia Information Superstore.

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**For More Information**

Telcordia offers customized GR-303 training seminars, requirements/implementatio deployment support, unit conformance and interoperability testing, as well as busine services. Please contact Scott Yeomans (973-829-4139) for general information on access systems and related Telcordia services.

A GR-303 multimedia tutorial CD-ROM is now available (LP-456-BT). To get more i to order this multimedia tutorial go to the Telcordia Information SuperStore, select t Catalog" option, and then search on "LP-456-BT".

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# GR-303 Integrated Access Platforms - 2001 Work Program Information



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## GR-303 Industry Funding

GR-303-based Integrated Access Systems provide numerous benefits including:

- **Reduced Capital Costs:** Open interfaces allows for mix-and-match of (1) Local Digi Switches (LDSs) with Remote Digital Terminals (RDTs) as well as (2) RDTs and Ele Management Systems, allowing a reduction in capital costs through supplier competi
- **Reduced Operations Costs:** Reduced operating costs through a standards-based, Telecommunications Management Network (TMN) compatible operations environme
- **Reduced Implementation Costs:** Standards-based TMN approach, will allow equip suppliers to potentially achieve lower costs for implementing operations capabilities because the same information models may be used to support multiple products in t supplier's portfolios.
- **Multiple Distribution Technology Support:** Supports deploying a wide range of a system distribution technologies (e.g., Wireless, HFC, Fiber-in-the-Loop, xDSL) in a consistent manner.

To potentially realize these benefits and cost savings, it is critical that supplier products interoperate and contain features that meet network providers' needs for services and app Although the requirements have been developed over the course of the last decade, LDS/RDT/EMS vendors have only recently (within the last few years) undertaken detailed development efforts. As suppliers implement GR-303 requirements and as network provid for wider deployment of Integrated Access Systems, technical and business issues are be identified that must be addressed. The GR-303 family of requirements need to be updatec reflect vendor design and network provider deployment experiences in a manner that cont promote the mix-and-match environment. In addition, new requirements are needed to su alternative distribution technologies (e.g., Wireless, HFC, xDSL, Fiber-to-the Curb), as we services and applications (e.g., Internet access and local loop unbundling).

Telcordia proposed Generic Requirements have been used extensively within the industry in t procurement of products; and in planning, implementing and operating networks and services Because of industry growth, new technologies/services and Telecom Reform, the need for an importance of timely and high-quality Equipment and Interface Requirements within the indus are expected to continue if not increase.

In accordance with the conditions of the 1996 Telecom Reform act, the Telcordia GR-303 ge requirements program is being offered to all industry stakeholders for funding and participatic Funding Telcordia GR-303 generic requirements program will allow you to work as peers witl Telcordia traditional RBOC owner/clients in shaping the GR-303 family of generic requiremer

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**Why Fund Telcordia Generic Requirements?**

- Influence the technical content of the Generic Requirements document(s) through contributions, comments, and participation in any meetings that are held
- Vote on changes and additions to Generic Requirements CORE document(s)
- Have earlier access to requirements information and trends, as they evolve, before g publication to industry
- Actively participate in the resolution of Generic Requirements technical issues
- Have access to Telcordia GR-303, GR-2905 and GR-2833 expertise
- License to incorporate Generic Requirements text in product and service description
- License to copy Generic Requirements text for use internally, including use by majori owned affiliates
- Build relationships with potential suppliers or customers
- Help prioritize Generic Requirements issues that Telcordia will address
- Help plan and present at the GR-303 Industry Forums

Under the old process, GRs were published for the industry and anyone could buy them. Pi were kept relatively low to encourage industry use. In the new process, GRs will still be put but may be priced considerably higher to non-funders.

Some of the files below require the use of the Adobe Acrobat reader. For information on us installing the Adobe Acrobat reader click here.

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## Early Industry Interaction (EII)

Early Industry Interaction (EII) is one phase of Telcordia Generic Requirements (GR) Proc During the EII phase,interested industry parties are invited to provide input on the develop proposed generic criteria for telecommunications equipment, systems, or services.

You may register to become a member of one or moreof these working groups.

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## GR-303 Testing and Maintenance

Testing and Maintenance is the one major open issue in the GR-303 target operations environment. Telcordia proposed architecture and initial requirements can be found in the Adobe Acrobat formatted file:GR-303 Testing and Maintenance

To obtain additional information or provide comments, please contact Mike Botsakos

(mbotsako@telcordia.com).

**To obtain Telcordia documents (including GR-303), contact:**

Telcordia Customer Services
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Piscataway, New Jersey 08854-4156
1-800-521-CORE (2673) (US & Canada)
(732) 699-5800 (all others)
(732) 336-2559 (FAX)

You can also order documents through this web site by visiting the Telcordia Information SuperStore.

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