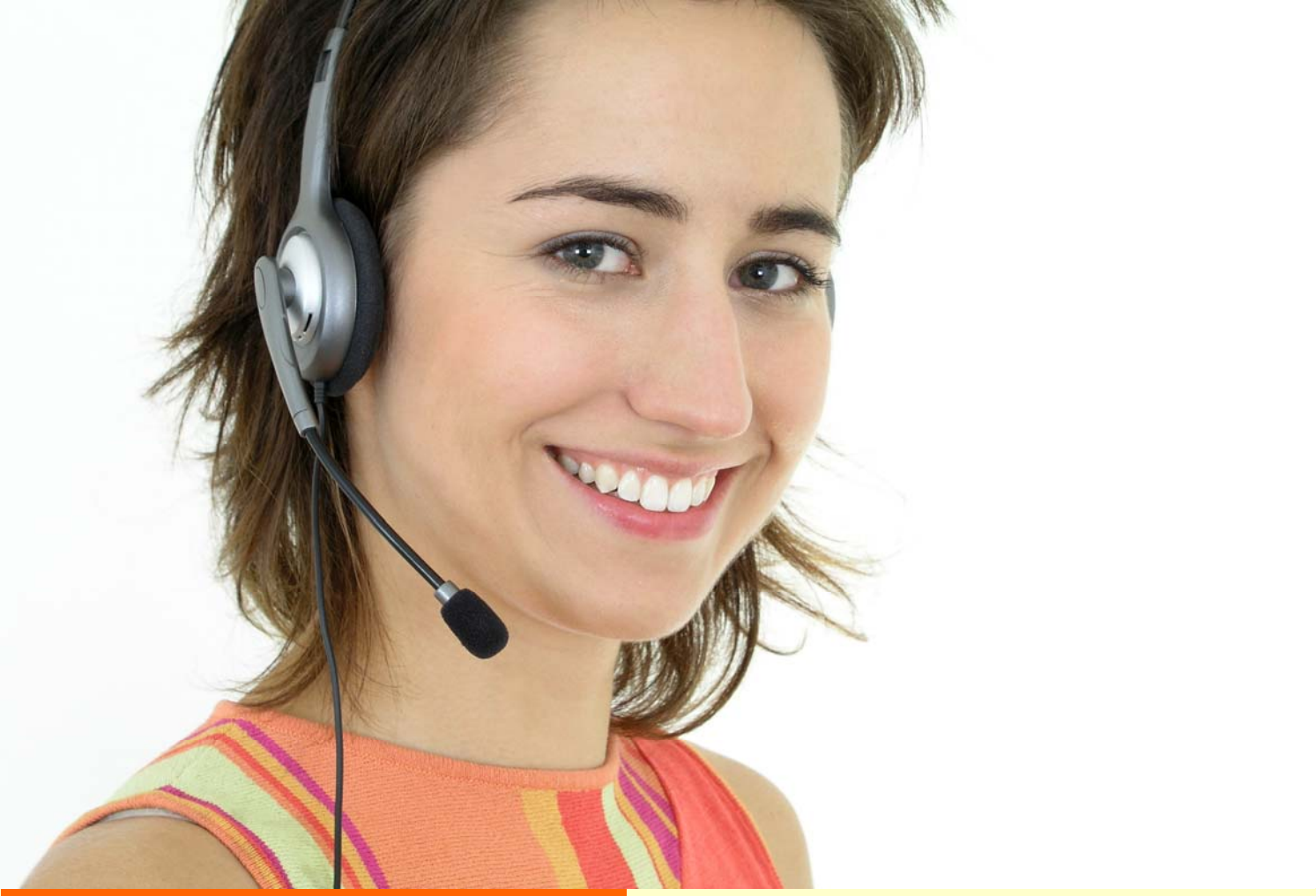

VoIP Network

- Accelerate Time-to-Market for your Next Generation Network
- De-risk you Voice over IP deployments
- Quickly isolate performance based issues
- End-to-end Analysis and management of your VoIP network performance
- Reduce customer churn by managing your network performance from the customer perspective

"Beethoven assures the voice network reliability and performance expected by your customers"

Beethoven VoIP

Voice Service Assurance for your VoIP Network

As the transition from connection oriented circuit switched to the connectionless Packet based technologies accelerates, you want to grow your revenue, and stay ahead or your competitors, while surpassing your customers expectations of your voice service. Your customers are skeptical about VoIP performance, they do not expect new technology to give them a poorer service.

The Beethoven Voice Service Assurance solution gives you a scalable, configurable set of hardware and software components that fully instrument your network to assure the quality of the voice service. Beethoven offers a customisable suite of voice monitoring and analysis capabilities that enables you to optimally manage and control your network from a customer experience perspective.

You save money by quickly identifying and resolving issues resulting in increased network reliability, and a reduction in the cost of maintaining the high level of service demanded by end customers .

Increased revenues result from reduced customer churn through better customer service management and higher customer satisfaction.

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VoIP Network Performance Assurance

Network planners have justifiable fears about the level of service that can be guaranteed with the Voice over Internet Protocol technology. They are aware of the horror stories about dropped calls, one way speech, poor speech quality and service degradation during calls. They know that their networks will need to be correctly dimensioned to ensure that they can deliver the quality of service expected by their customers. They know that their competitors may be taking short cuts with a view to saving on initial capital expenditure, and luring customers with cut price telephone calls. These customers will not experience difficulties until they have moved in sufficient numbers to bring the network to its knees.

You cannot afford to earn the reputation for poor reliability, and poor network performance. Customer churn will lead to devastating revenue loss. Operational issues must resolved quickly, efficiently and with minimum cost.

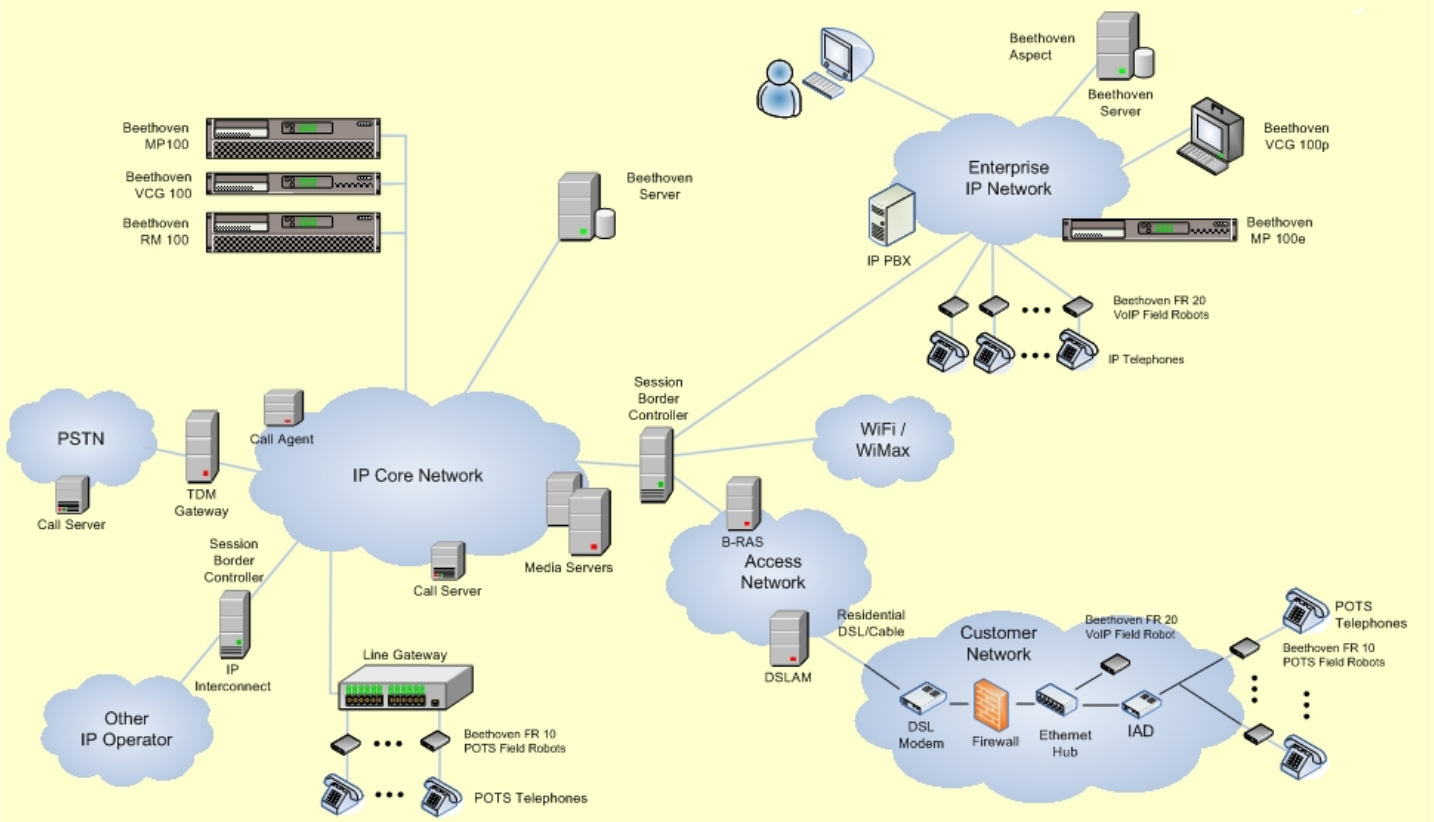
To manage and maintain the Next Generation Networks, and the integration of these networks with the existing infrastructure, you need tools that give you end-to-end visibility for calls on your network. You need to understand the actual customer experience, you need to be able to reach the very edge of the network.

Beethoven Voice Quality Assurance Solution

The Beethoven Solution offers you the capability to address all of your voice quality concerns. Beethoven offers you as much visibility as you need, to understand how your network is operating from your customer's perspective. The Beethoven solution is a complementary set of hardware and software elements that can be tailored to your exacting needs. Calyptech understands that not all networks are the same, and that networks are constantly changing. Beethoven is built to give you one fundamental constant, the highest quality of service that can be delivered to your customers.

Beethoven Solution Components

MP 100	Network integrated voice quality monitoring element for Network Operators, for intrusive and non-intrusive voice quality monitoring
MP 100e	Enterprise level voice quality monitoring element
CG 100	Voice call stimulus generation element, integrated in the Network Operator's network
CG 100p	A portable voice call stimulus generator, ideal for used during deployment and field trial, and general network troubleshooting
FR 10/FR 20/FR 30/FR 40	POTS/VoIP/GSM/CDMA interface field 'robot' element. These elements are distributed to strategic locations, or used in drive test applications
RM 100	Distributed Robot Management and control unit. This element co-ordinates and manages the distributed Beethoven Robots
Beethoven Server	Sophisticated central database management system, data mining and trend analysis. The Beethoven Server is the core of the solution, and co-ordinates the Beethoven solution elements, with intuitive setup
Beethoven Aspect	Client application enabling unified element management for all the Beethoven elements, real time reports, alarm configuration, trend analysis historical reports, structured testing. Beethoven Aspect can be operated from anywhere, with appropriate access permission settings.



While every effort has been made to ensure the accuracy of the information contained in this document, Calyptech Pty. Ltd. accepts no responsibility for errors or omissions. Calyptech Pty. Ltd. reserves the right to make changes to product features and specifications without notice.

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