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NETWORK RELIABILITY

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Focus Area Champion:	P. J. Aduskevicz, AT&T
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- [Definitions](#)
- [Metrics](#)
- **World Class Performance**
- **Best Practices**
- **Best-in-Class Recognition**
- [Participants](#)

I. DEFINITION

Network Reliability is . . .

1. **Availability of end to end functionality for customers.**
2. **Ability to experience failures or systematic attacks, without impacting customers or operations**

There was a valuable discussion on the overlap between service reliability and network reliability. Several group members felt that these concepts should be distinct while other members felt that there should be overlap. The question centered on whether there should be a customer perspective in the definition of network reliability. The above definition does include a customer perspective.

Several items that were discussed as being aspects of network reliability include survivability, dependability, robustness/fault tolerance, maintainability, and scalability. In addition, there was strong support for network reliability being the ability of the network to provide the required function end to end for a specified period of time.

Network Reliability is not . . .

1. **Component reliability.**
2. **Cheap or free.**
3. **Just reliable piece or part, fault tolerance hardware or fast recovery.**

II. **METRICS**

Network Reliability can best be measured by . . .

(Not covered at the workshop)

III. **PARTICIPANTS**

The working group participants consisted of the following industry professionals.

NAME	AFFILATION
Aduskevicz, P. J.	AT&T
Chen, Chi-Ming	AT&T
DeVito, Nicholas	AT&T
Doran, Marvin	Nortel
Duell, Kenneth	AT&T
Harrison, Rick	Bellcore
Harshe, Girish	Lucent Technologies
Healy, John	Bellcore
Hoeflin, David	AT&T Labs
Huang, Steel	Lucent Technologies
Ingraham, Terry	Sprint
Mahmoud, Esmat	AT&T
Marchisio, Laura	CSELT
Marlow, Norman	Motorola
McCain, Archie	BellSouth
Melgara, Marcello	CSELT
Menko, Art	Business Planning, Inc.
Neswadba, Horst	Siemens AG
Parton, Dennis	AT&T Labs
Pennington, William	DSC Communications Corporation
Rak, Dan	Lucent Technologies
Schiavone, James	

Sharpless, Janis	Lucent Technologies
Snow, Phillip	DSC Communications Corporation
St. Peter, Chuck	Ameritech
Thayer, Whitey	Federal Communications Commission
Tortorella, Michael	Lucent Technologies
Zamanali, Jalal	Lucent Technologies