

SIGNET Internetwork Availability Analysis

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Definitions

The SIGNET service is defined to be unavailable when any given user cannot access any desired resource anywhere in SIGNET.

The SIGNET Internetwork service is defined to be unavailable when the outage perceived by the user is due to an outage in the internetwork.

and not by an outage in the end systems involved in the desired service.

Therefore, the SIGNET Internetwork availability objectives exclude the availability of end systems.

The SIGNET availability objective is divided into two parts:

1) Both end systems are within the same local subnetwork environment with no traversal of the wide area subnetwork required.

2) The two end systems are in different subnetwork environments with a traversal of the wide area subnetwork required.

Assumptions

Number of Missions	120		
Hours Per Year	8760	Per Month	730
Minutes Per Year	525600		
Work Week (Hrs)	37.5		

% Usage of network	100%
% Local Access	70%
% Remote Access	30%

Pn	0%
Pl	70%
Pr	30%
Total	100%

MTTR (hrs)	2
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