INE Leased Line Redundancy Test Report

Company Name (seal)			
ID of Member/OSP		Login username of remote seat	
Site Address			
Information of Leased Line 1			
Access Point of Leased Line	☐PD-DC ☐ZJ-DC ☐Hong Kong HUB ☐Singapore HUB		
Leased Line Type		Carrier Name	
Leased Line ID		Bandwidth	
WAN Router Model		WAN Router Name	
WAN IP Address		Testing Offering Machine IP	
Information of Leased Line 2			
Access Point of Leased Line	☐PD-DC ☐ZJ-DC ☐Hong Kong HUB ☐Singapore HUB		
Leased Line Type		Carrier Name	
Leased Line ID		Bandwidth	
Wan Router Model		WAN Router Name	
Wan IP Address		Testing Offering Machine IP	
Testing Method			
Part 1: Testing of Connectivity of Leased Line 1			
1	Log on the WAN router, ping 10000 packets to the target router. Check if there are lost packets (testing after 15:30)	Packet loss rate:	Minimum delay:
		Average delay:	Maximum delay:
2	Log on the WAN router, ping 10000 packets with 4000 bytes sent to the target router. Check if there are lost packets (testing after 15:30)	Packet loss rate:	Minimum delay:
		Average delay:	Maximum delay:
3	Log on the WAN router, ping packets with various sizes to the target router. Run **show interface** to check bandwidth usage	5 minute Input Rate	Bits / sec
		5 minute output Rate	Bits / sec
4	Log on the offering machine, ping 1000 packets to the INE front-end hosts (testing after 15:30)	Ping 192.168.11.31	Number of lost packets:
		Ping 192.168.11.32	Number of lost packets:

		Ping 192.168.12.41	Number of lost packets:
		Ping 192.168.12.42	Number of lost packets:
5	Log on the offering machine, run **trace** command to check the route path from the offering machine to INE front-end host (testing after 15:30).	Trace 192.168.11.31 PD-DC front-end host	
		Trace 192.168.12.41 ZJ-DC front-end host	
Part 2: Testing of Connectivity of Leased Line 2			
6	Log on the WAN router, ping 10000 packets to the target router and see if there are lost packets (testing after 15:30)	Packet loss rate:	Minimum delay:
		Average delay:	Maximum delay:
7	Log on the WAN router, ping 10000 packets with 4000 bytes to the target router and see if there are lost packets (testing after 15:30)	Packet loss rate:	Minimum delay:
		Average delay:	Maximum delay:
8	Log on the WAN router, ping packets with various sizes to the target router. Run **show interface** to check bandwidth usage	5 minute Input Rate	Bits / sec
		5 minute output Rate	Bits / sec
9	Log on the offering machine, ping 1000 packets to the front-end host (testing after 15:30)	Ping 192.168.11.31	Number of lost packets:
		Ping 192.168.11.32	Number of lost packets:
		Ping 192.168.12.41	Number of lost packets:
		Ping 192.168.12.42	Number of lost packets:

10	Log on the offering machine, run **trace** command to check the route path from the offering machine to the front-end hosts, and make records (testing after 15:30).	Trace 192.168.11.31 Future Tower front-end host	
		Trace 192.168.12.41 Zhangjiang front-end host	
Part 3：BFD Function Test			
11	Simulate Leased Line 1 interruption, and check if the configured BFD + static route linkage mechanism is effective. **Operation method:** Contact INE to shut down their WAN interface. Member/OSP checks the BFD status and ensure: - the static route disappears - route path is switched over (testing after 15:30)	Record the result: 1. Check BFD neighbor status; 2. Check static route status	
12	Simulate Leased Line 2 interruption, and check if the configured BFD + static route linkage mechanism is effective. **Operation method:** Contact INE to shut down their WAN interface. Member/OSP checks the BFD status and ensure: - the static route disappears - route path is switched over (testing after 15:30)	Record the result: 1. Check BFD neighbor status; 2. Check static route status	
Part 4: Redundancy Test			

13	Configure the dual-line redundancy mode for the Member/OSP, log on the offering machine, ping the INE front-end hosts, turn off the primary line and check the network recovery status. (Testing after 15:30)	Check the network packet loss: Ping 192.168.11.31 Ping 192.168.12.41 Trace the line before and after interruption: Trace 192.168.11.31 Trace 192.168.12.41	
14	1. Log on the INE front-end by using Member/OSP account. 2. When the primary line is interrupted, if you can re-log on normally.	Test of trading front-end addresses: 192.168.11.31 192.168.11.31 192.168.12.41 192.168.12.42	
Remark			

Note: 1) Please fill out the form and email this form and its scanned copy with affixed seal to INE;

2) To facilitate filing, the file name is unified as *INE Leased Line Redundancy Test report+ID of Member / OSP+ company name for short.*