

KRLight Update

(<http://krlight.tjstreet.co.kr>)

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Introduction of KRLight

■ About KRLight

- Provides Open lambda exchange services on GLIF (One of GOLEs)
- A global lightpath exchange point equipped with L1 and L2 facility and two OC 192 circuits to US and China
- Constructed by KISTI on August 2004
- Operated for GLORIAD-KR (GLO-KR) since 2004

■ Network Connection

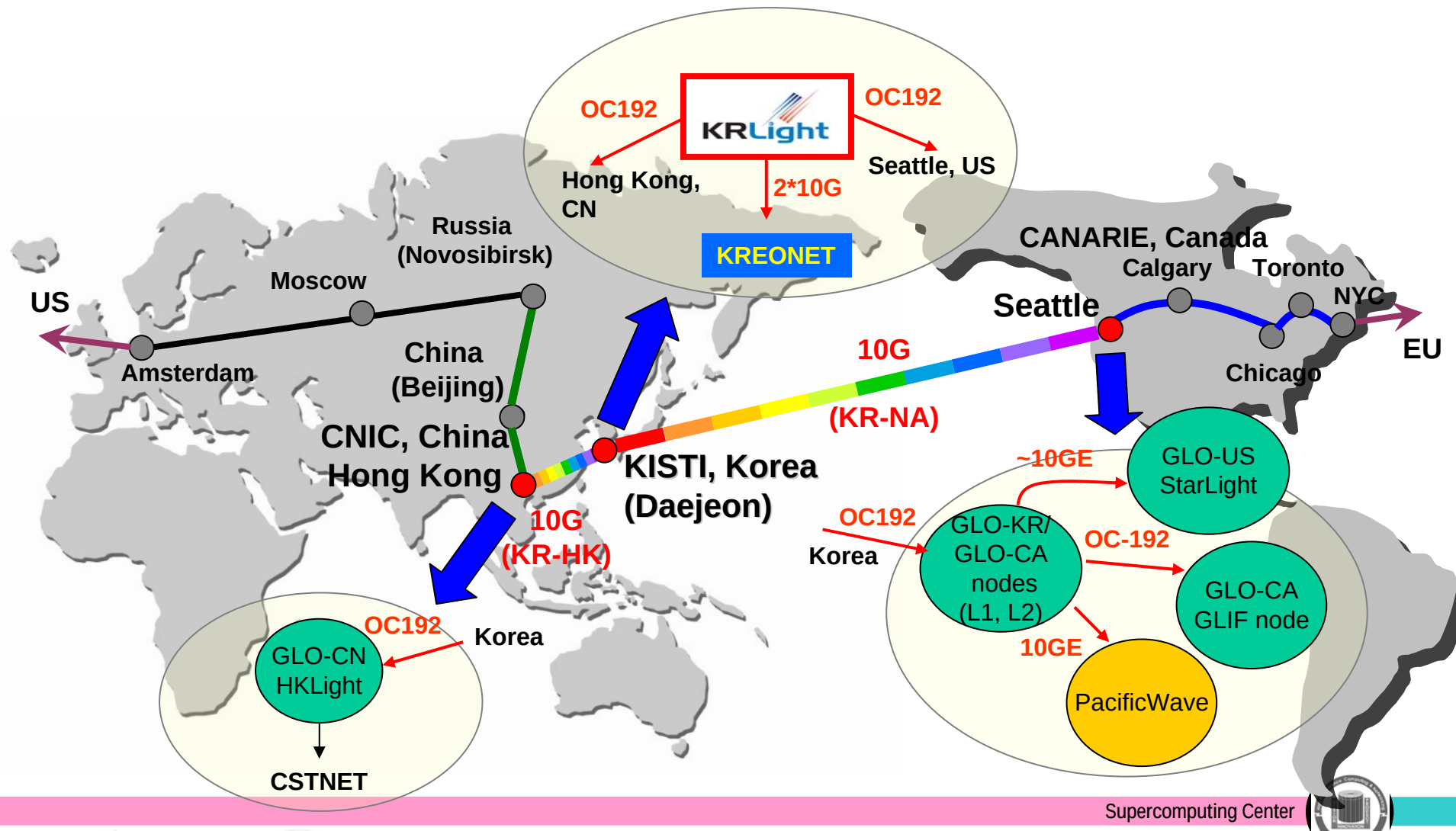
- Two types of devices covering layer 1 and layer 2 network services
- Facility (ONS 15600 and Force10 E600): SONET/SDH and Gigabit Ethernet interfaces to support other lambda exchanges

■ Management

- KREONet2 NOC for the management of the KRLight
- performance and obstacle managements through 24 hour-monitoring system



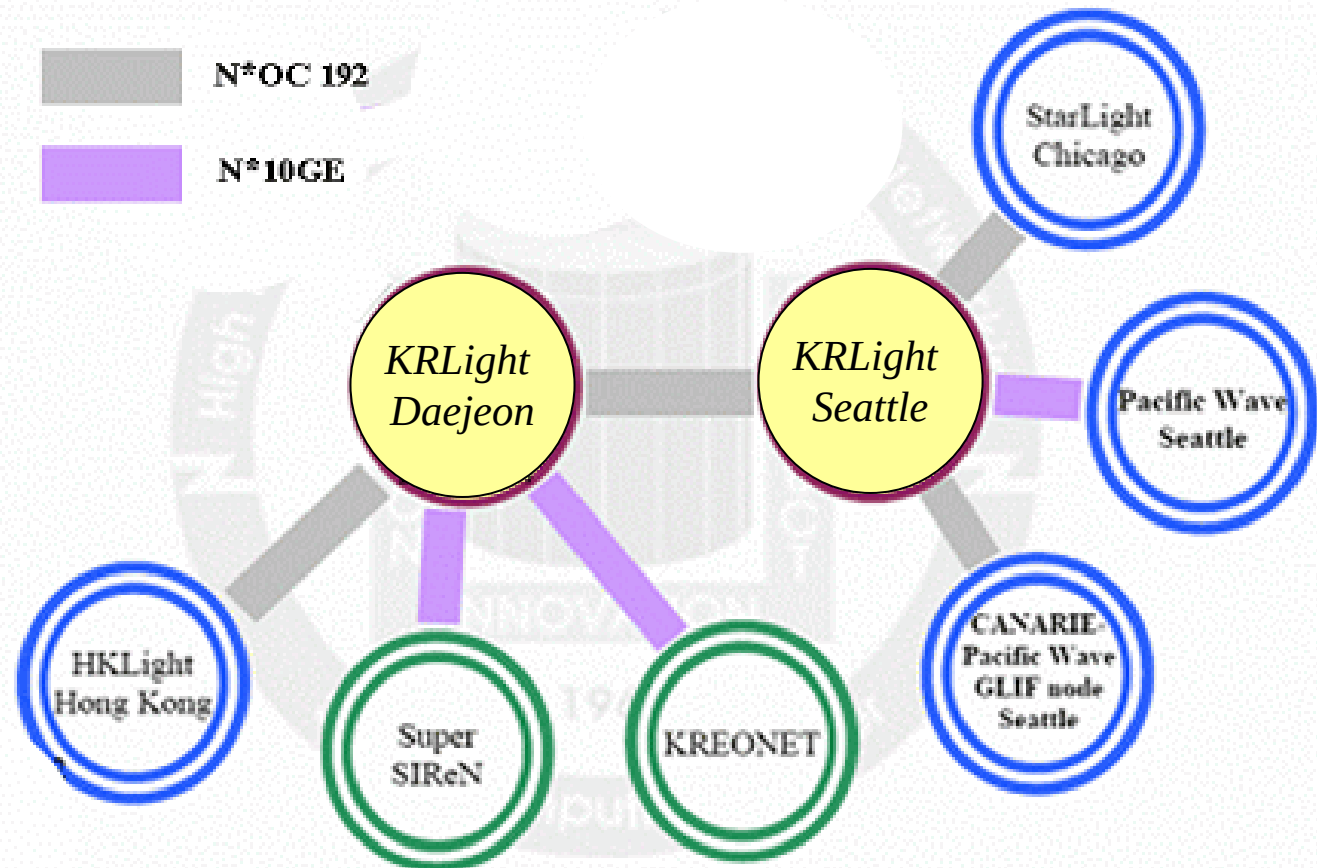
KRLight Architecture (1)



Supercomputing Center



KRLight Architecture (2)



KRLight Connection



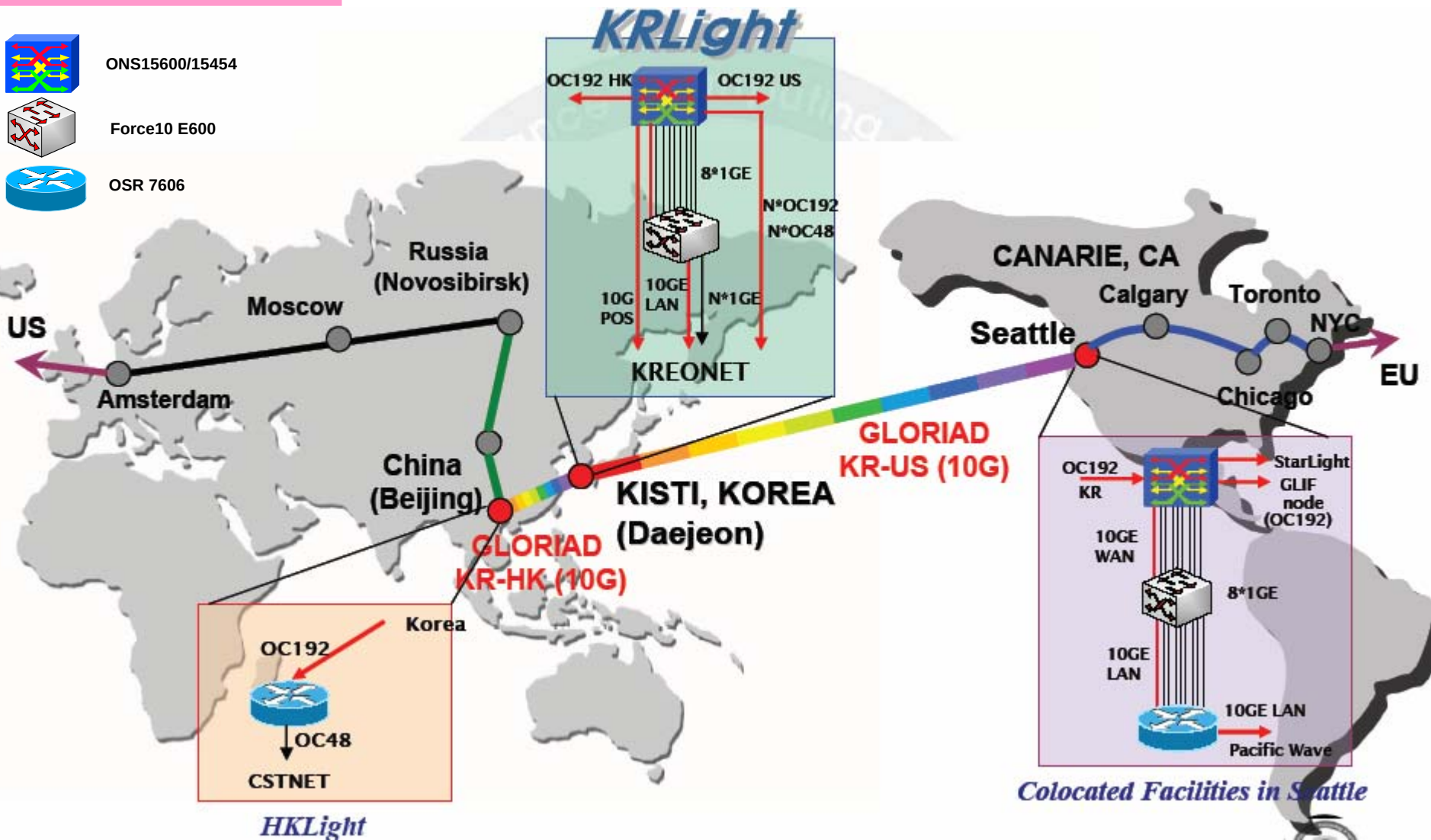
ONS15600/15454



Force10 E600



OSR 7606



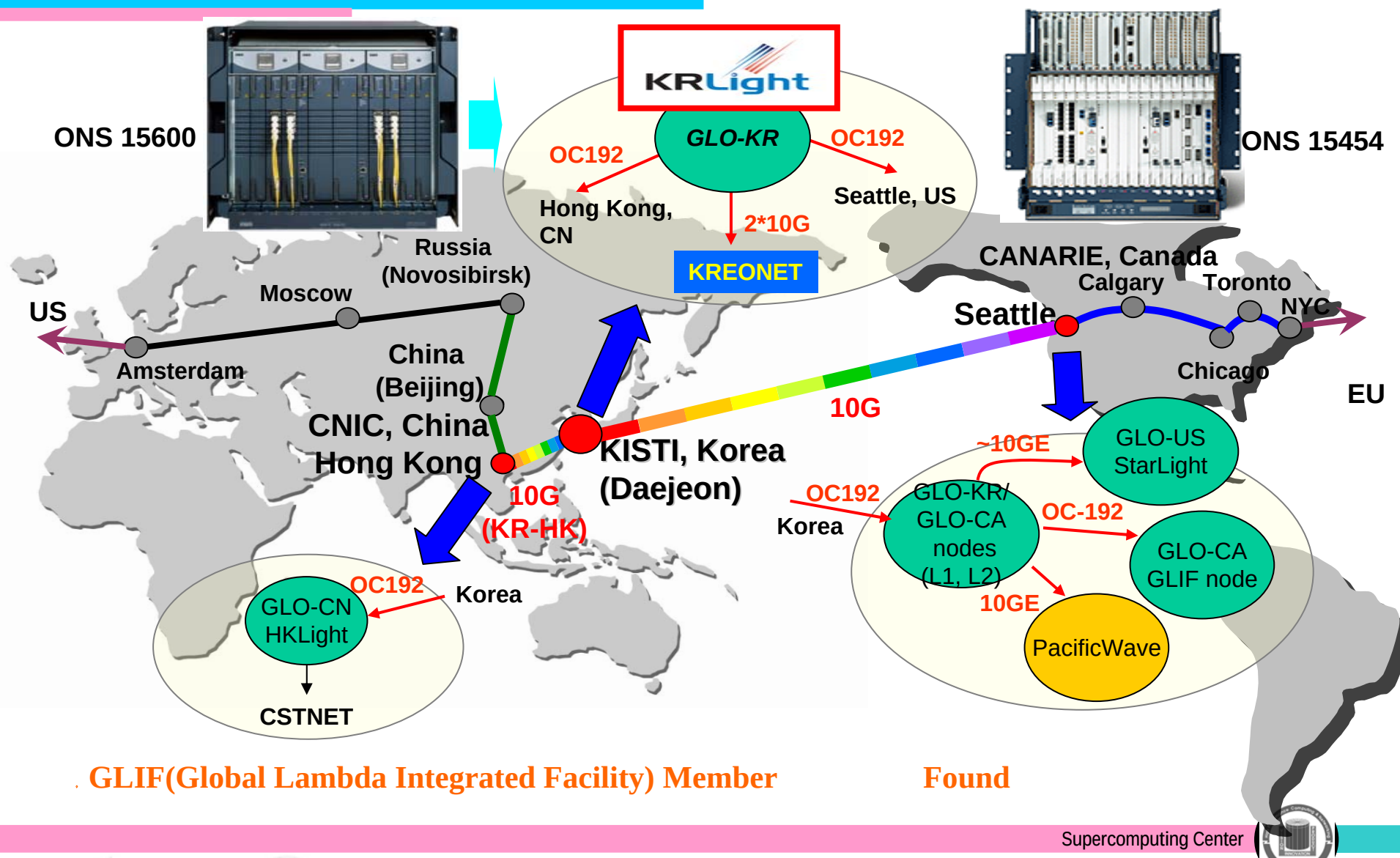
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KREONET KREONet2

KRLight Facilities

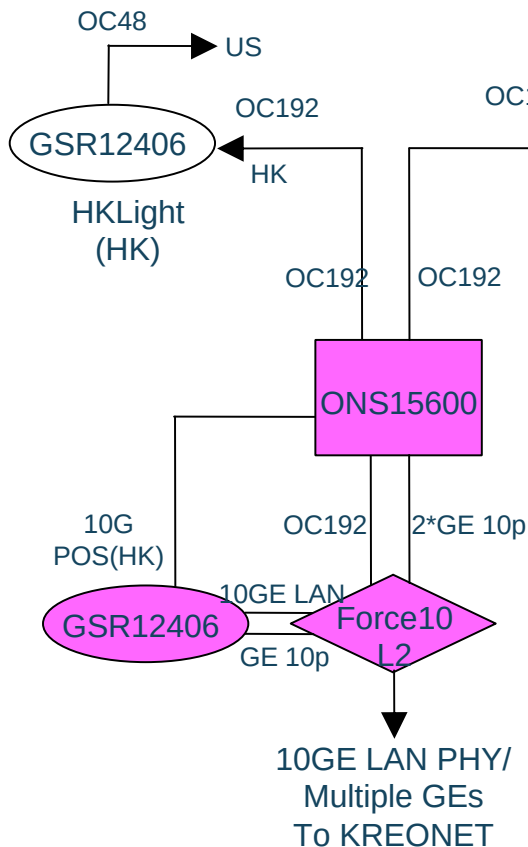


Thank You !
(<http://krlight.tjstreet.co.kr/>)

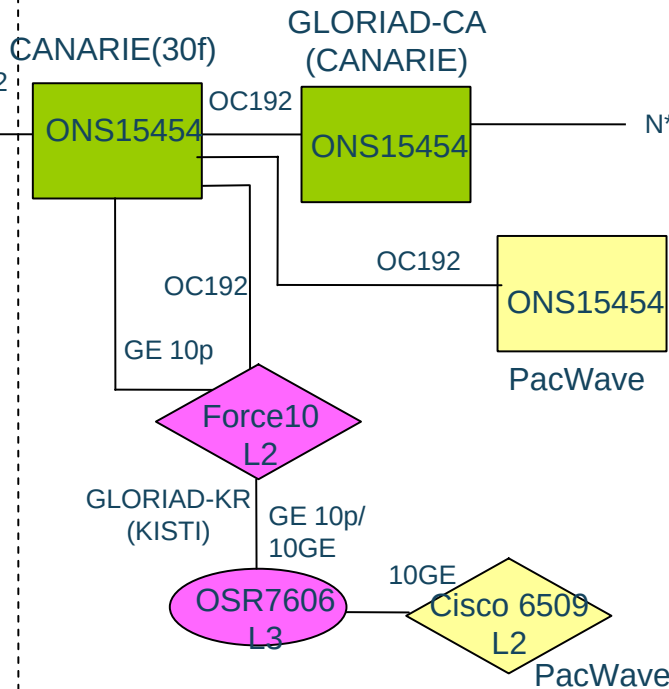


10G Connectivity for KRLight (Phase I config)

KREONet2 - Daejeon

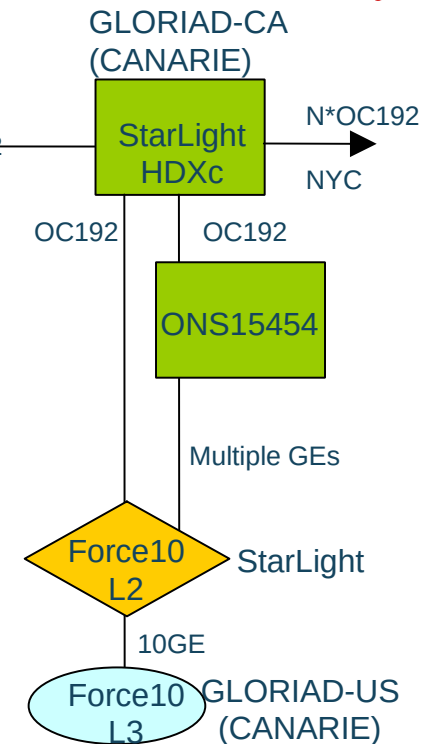


CA*net4-Seattle



PW-Seattle

CA*net4-Chicago



SL-Chicago

KRLight Peer Links

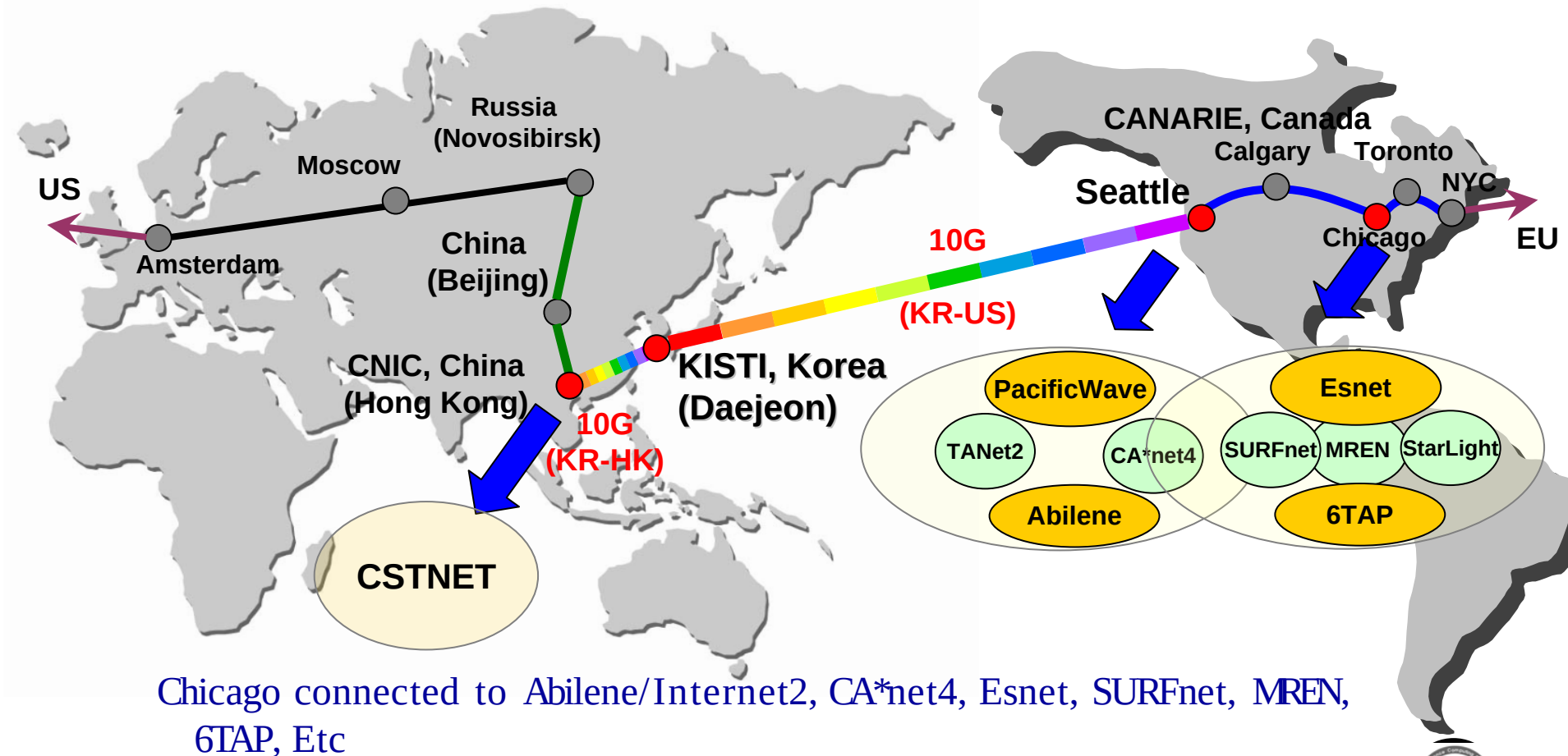
	Peers	Interface(s)	IPv4		IPv6	Remarks
			Unicast	Multicast	Unicast	
Korea	KOREN	1 GigE	O	O	O	Seoul
	6NGIX	1 GigE	-	-	O	Seoul
US	PacWave	1 GigE	O	-	O	Seattle
Taiwan	TANet2	1 GigE	O	O	O	Seattle
US	Abilene	1 GigE * 2	O	O	O	Chicago, Seattle
Canada	CA*net4	1 GigE * 2	O	O	O	Chicago, Seattle
US	StarLight	1 GigE	-	-	-	Chicago
US	6TAP	1 GigE	-	-	O	Chicago
US	MREN	1 GigE	O	O	-	Chicago
Switzerland	CERN	1 GigE	O	-	O	Chicago
Netherland	SURFnet	1 GigE	O	O	O	Chicago
US	ESnet	1 GigE	O	-	-	Chicago
China	CSTNET	10 PoS	O			HKLight
Australia	AARNet	1 GigE	O		O	Seattle

National Peer 2, International Peer 12 R&D Networks



Peer Status of KRLight

National Peer 2, International Peer 13 R&D Networks



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