US NCP Optical Cable

AI Overview

The NCP (New Cross Pacific) Optical Cable connects the US to Asia via a high-capacity submarine fiber-optic system, with its US landing at Pacific City, Oregon.OverviewThe New Cross Pacific (NCP) Cable System is a 13,000 km high-capacity submarine fiber-optic network spanning the Pacific Ocean, directly linking the United States with major Asian countries including China, Japan, South Korea, and Taiwan . It is designed to meet growing bandwidth demands for internet content, cloud services, and enterprise data traffic.US Landing and OperationsThe US landing station is located at Pacific City, Oregon, and is operated by Microsoft Infrastructure Group, LLC . This station serves as the primary entry point for trans-Pacific data traffic into the United States. Microsoft's involvement marks its first investment as a consortium member in an international submarine cable system, providing both operational oversight and infrastructure support .Technical SpecificationsFiber Pairs: 7 optical fiber pairs per segmentTechnology: 100 Gbps DWDM (Dense Wavelength Division Multiplexing)Initial Capacity: 1.2 Tbps per segmentTotal Design Capacity: 70 TbpsSegments: Six main segments with branches connecting multiple landing points The cable operates on a non-common carrier basis, offering bulk capacity through indefeasible rights of use (IRUs) and leases to consortium members and customers .Consortium and OwnershipThe NCP is owned by an international consortium comprising:Microsoft Operations Pte LtdChina Mobile International LimitedChina Telecommunications CorporationChina United Network Communications Group Company LimitedChunghwa Telecom Co., Ltd.KT CorporationSoftBank Mobile Corp. (minor 0.02% interest) Each major member holds approximately 16.66% fractional interest, ensuring shared governance and investment responsibilities .Asian Landing PointsThe NCP cable also lands in key Asian locations:China: Chongming, Lingang, NanhuiSouth Korea: BusanTaiwan: TouchengJapan: Maruyama The Japan-US segme...

Article Content

FASTER Cable vs New Cross Pacific (NCP)

Consisting of five Asian carriers and one US-based company, the NCP consortium unveiled to build a new cable cross the Pacific, with a design

Zayo to Backhaul For New Cross Pacific | Telecom Ramblings

The New Cross Pacific cable project has lined up the fiber backhaul it will need on the US side. Zayo will be providing the fiber connectivity needed to reach its landing stations from sites

NCP Consortium Secures FCC Cable Landing License

Although SoftBank is a member of the NCP consortium and will own and operate the cable landing station in Japan, it does not satisfy either of the minimum criteria

New Cross Pacific (NCP) Cable

The New Cross Pacific (NCP) Cable System is a high-capacity submarine cable designed to enhance connectivity across the Pacific Ocean. It connects major

No Polish Connectors | Corning

The No Polish Connector (NPC) enable fast, on-site installation of kink proof, 1.6 to 3 mm cable with bend insensitive, single mode fiber. The SC PC and SC APC compatible connectors consist of a

Microsoft Announces Investment in NCP and Other Subsea Cables

Microsoft announced on Monday its participation in the NCP Consortium to invest in the New Cross Pacific (NCP) Cable Network and build its first physical landing station in Hillsboro,

Submarine Cable Systems: Products & Solutions | NEC

NEC enables high-capacity, high-reliability, and long-lifetime communication through advanced optical transmission technologies. Our systems are designed to

Cables Plus USA

Cables Plus USA offers fiber cables of all types for building, testing and maintaining your networking infrastructure. We carry a vast selection of fiber optic products

NCP Cable Consortium Press Release

Operated by a consortium of telecommunications and technology companies, the NCP shall be built as a high capacity fibre-optic submarine cable system across the Pacific Ocean directly

New Cross Pacific Subsea Cable Construction Starts

The NCP consortium, comprised of China Mobile, China Telecom, China Unicom, Chunghwa Telecom, KT Corporation, Microsoft, SoftBank Mobile Corp, and TE SubCom, a TE

Boosting Subsea Cables with Multi-Core Fiber Technology

Today we are deep-diving into one of the latest innovations in subsea cables: multi-core fiber (MCF) technology. First, some brief history. With

New Cross Pacific Has Begun Construction

Press Release EATONTOWN, NJ, USA - May 11, 2015 -- The NCP consortium, comprised of China Mobile, China Telecom, China Unicom, Chunghwa Telecom, KT Corporation,

Microsoft invests in major subsea cable projects

Microsoft will be investing in three upcoming 100 Gbps subsea cable projects, to improve connectivity between data centers located in different parts

Hawaiki Cable & NCP Terminate at Brookwood Data Center in Hillsboro

Hawaiki Submarine Cable has selected Peak 10 + ViaWest (now Flexential) Brookwood data center in Hillsboro, Oregon as its US PoP (point of presence) and terminal station to install the

New Cross Pacific (NCP) Cable System

New Cross Pacific (NCP) Cable System is a repeatered submarine cable system that is connected to 7 cable landing stations. It is operational since 2018 and owned by a consortium of

New Cross Pacific (NCP) Cable System

This interactive submarine cable map shows the global undersea fiber optic cables connecting world. Explore cable routes, landing stations and system status.

New Cross Pacific Cable System

The New Cross Pacific Cable System (NCP) is a cable system in the Pacific Ocean. The NCP cable system consists seven fiber pairs, initially deploying with 100Gbps DWDM technology and a

Submarine Cable Map 2025

Hokkaido-Akita Cable Hokkaido-Sakhalin Cable System (HSCS) Japan-Guam-Australia North (JGA-N) Japan Information Highway (JIH) JUNO JUPITER Korea

Hawaiki Cable & NCP Terminate at Brookwood Data Center in Hillsboro

The Hawaiki cable stretchs more than 14,000 km across the Pacific Ocean and is the first carrier-neutral, low-latency, fiber-optic connection between the continental U.S., Hawaii, Australia,

New Cross Pacific Cable System

The New Cross Pacific (NCP) Cable System features a submarine cable constructed with seven optical fiber pairs integrated into a single armored structure designed to withstand the harsh marine

New Cross Pacific Cable System Announced

Operated by a consortium of telecommunications and technology companies, the NCP shall be built as a high capacity fibre-optic submarine cable system across the Pacific Ocean directly

Distribution Map Of Submarine Cables In The World

Rapid switching of redundant lines in case of routing failures 5. NCP (New Crossing-Pacific Cable System) submarine optical cable The new Trans

Submarine Cable Systems: Products & Solutions | NEC

MIST submarine cable System The MIST is an 8,100 km submarine cable system connecting Singapore, Malaysia, Myanmar, Thailand and India (Mumbai and

Submarine Cable Map

TeleGeography''s comprehensive and regularly updated interactive map of the world''s major submarine cable systems and landing stations.

Submarine Cable Map

The Submarine Cable Map is a free and regularly updated resource from TeleGeography. TeleGeography''s comprehensive and regularly updated interactive map of the world''s major

NCP Consortium Announces the Signing of C& MA and Supply Contract

NCP will bring significant increase in Asian telecommunications capacity to meet the insatiable requirements caused by continuous growth in the Internet and Mobile market. The design

New Cross Pacific (NCP) Cable System

Learn more about New Cross Pacific (NCP) Cable System. Detailed information, ownership, capacity and routing.

Contact Us

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