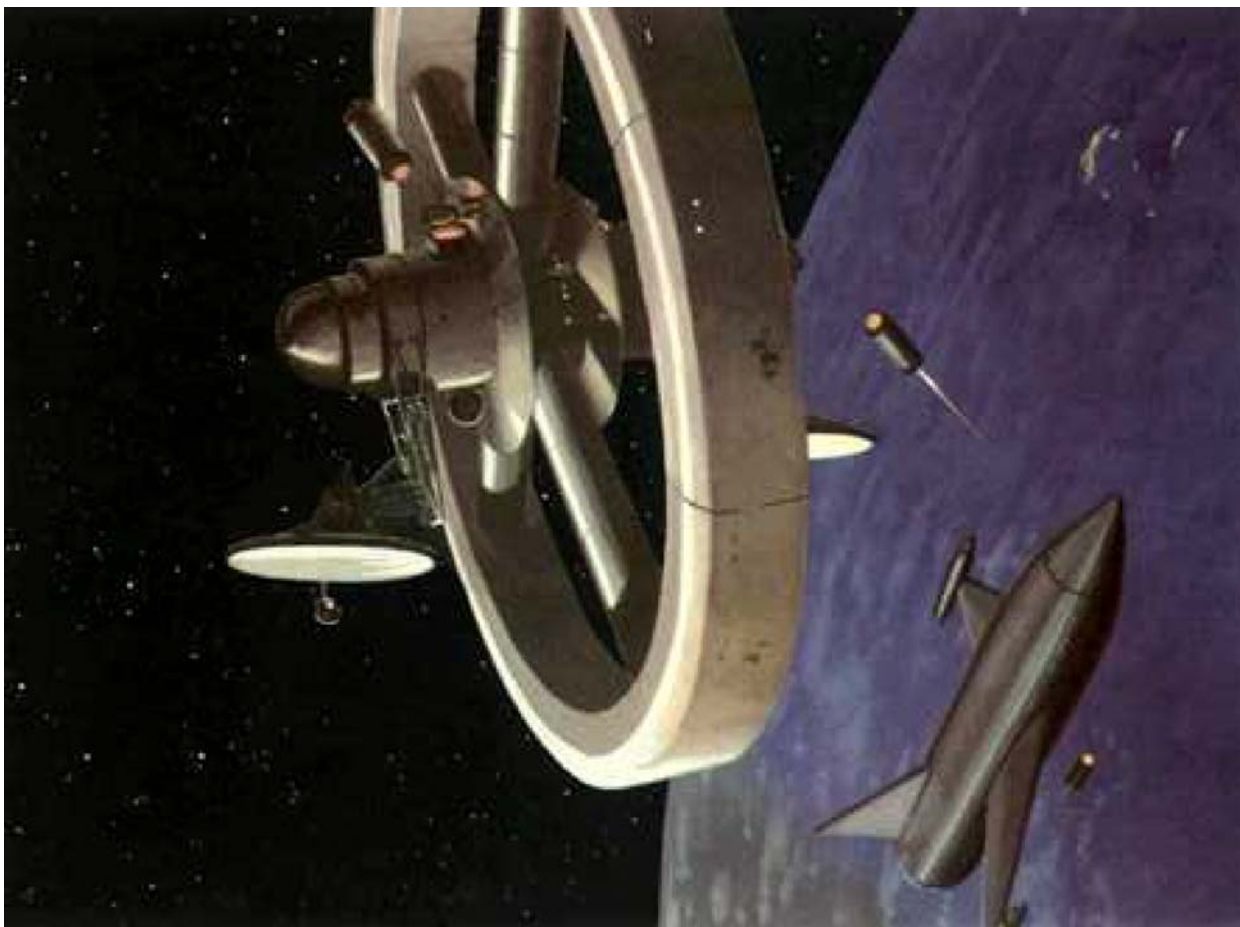




Telecom 2020: Transformation Strategies

Transformation strategies that carriers will follow as they adopt IP and Ethernet architectures for their wireline and wireless networks and services and how these strategies will transform their businesses and the industry as a whole.

The telecom industry is committed to the full scale adoption of IP and Ethernet and the replacement of the legacy voice and data technologies. The industry will have to generate profits with increasing traffic volumes by improving its efficiency through the simplification of services and networks and through the adoption of low cost technologies. This will result in new partnerships and new forms of industry consolidation in order to fully exploit the opportunities that will result from this transformation.



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Glossary

The following terms and organizations have been referred to in the text.

Acronym	Definition
API	Application Program Interface
ARPU	Average Revenue per User (Usually monthly)
ATV	Asia Television Limited
Billion	1,000,000,000 (1,000 Million)
BRAS	Broadband Remote Access Server
BT	British Telecom
CAPEX	Capital Expenditure
CNO	Cable Network Operator (See also MSO)
CPE	Customer Premise Equipment
CPGA	Cost per gross add
DSL	Digital Subscriber Line
ETSI	European Telecommunications Standards Institute
EU	European Union
FCC	Federal Communications Commission
FNO	Fixed Network Operator
GHz	Giga Hertz
HD	High Definition
Hz	Hertz
IETF	Internet Engineering Task Force
IMS	IP Multimedia Subsystem
INO	Integrated Network Operator
IP	Internet Protocol
IP v 6	IP version 6
IP/MPLS	IP/ Multi Protocol Label Switching
IPTV	Internet Protocol TeleVision
ISP	Internet Service Provider
ITU	International Telecommunications Union
kbps	Kilo bits per second
KDDI	Japanese Mobile Operator
kHz	Kilo Hertz
km	Kilometer
kW	Kilowatt
LLU	Local Loop Unbundling
Mbps	Mega bits per second
MHz	Mega Hertz
Million	1,000,000
MPEG	Moving Picture Experts Group
MPLS	MultiProtocol Label Switching
MSO	Multimedia Services Operator (See also CNO)
MTV	Music Television
NGN	Next Generation Networks
NPV	Net Present Value



Acronym	Definition
NPVR	Network Personal Video Recorder
NRA	National Regulatory Authority
NTT	Nippon Telegraph and Telephone Corporation
OPEX	Operating Expenditure
OSS/BSS	Operational Support System/Billing Support System
PATS	Publicly Available Telephone Service
PBX	Private Branch Exchange
PCCW	Pacific Century CyberWorks Limited
PDA	Personal Digital Assistant
PSTN	Public Switched Telephone Network
PTT	See PoC
PVR	Personal Video Recorder
QoE	Quality of Experience
QoS	Quality of Service
SDH	Synchronous Digital Hierarchy
SHE	Super HeadEnd
SIP	Session Initiation Protocol
SMS	Short Message Service
SONET	Synchronous Optical NETworking
SS7	Signaling System 7
TE	Traffic Engineering
TISPAN	See ETSI
TV	Television
UK	United Kingdom
US	United States
VHO	Video Hub Office
VLAN	Virtual Local Area Network
VoD	Video on Demand
VoIP	Voice over Internet Protocol
VPLS	Virtual Private LAN System
VPN	Virtual Private Network
VSO	Video Serving Office
WACC	Weighted Average Cost of Capital
WAN	Wide Area Network

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