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Abstract This deliverable provides a short summary of the news items

published on the IPv6 Cluster website in the period May 2004

to June 2004.

Keywords IPv6 IST News



Spirent Communications IPv6 Test Systems and Services Validate DoD Requirements

Date: Saturday, May 01 @ 02:55:09

Topic: IPv6 News

Spirent Communications today announced that the U.S. Department of Defense (DOD) is using its full range of IPv6 test solutions including real network traffic emulation for network and device security as well as Mobile IP in an IPv6 environment.

The DOD is using Spirent test solutions in its DICE 2004 (Defense Interoperability Communications Exercise) data and Moonv6 phase II test initiatives to validate requirements for its migration to native IPv6 networks and systems.

Complete info at **TMCnet** and **BusinessWire**.

Foundry eliminates speed bumps on new Net

Date: Saturday, May 01 @ 02:59:10

Topic: IPv6 News

Foundry to announce a hardware upgrade to switches supporting Internet Protocol version 6 (IPv6) to make sure they don't suffer from performance issues.

The company is introducing the new capability in switching modules for its two newest high-end switches, the BigIron MG8 and NetIron 40G.

Complete info at Cnet.

INS Releases NetControl 2.0 for Next Generation IP Management with IPv6 support

Date: Tuesday, May 04 @ 13:33:25

Topic: IPv6 News

INS, a leading provider of IP network management software, IT infrastructure consulting services, and business solutions, announced today the general availability of release 2.0 of its NetControl(TM) IP management software.

NetControl 2.0 adds several significant new features, including integrated IPv4/IPv6 support, user-definable thresholds and alerts on multivendor Dynamic Host Configuration Protocol (DHCP) products, expanded Internet Registry support to automate address replenishment, and a new optional StarVision add-on product, which provides unique interactive visualization of IP address space.

Complete information at <u>TMC.net</u> and <u>BusinessWire</u>.

Juniper Networks to Speak at Intelligence Support Systems World Conference

Date: Wednesday, May 05 @ 18:25:22

Topic: IPv6 News

Ross Callon, Juniper Networks Distinguished Engineer, and Andrew Ramsey, Juniper Federal Systems Director of Systems Engineering, will lead panels on network security at the Intelligence Support Systems (ISS) World Conference. Ramsey will lead the Homeland Security-Cyber Security panel on public and private sectors teaming up to further cyber security standards and practices. Complete information at TMC.net.

China: Market Too Large for IPv4

Date: Wednesday, May 05 @ 18:27:29

Topic: IPv6 News

Chinese have started a large-scale IPv6 trial called CNGI (China Next Generation Internet), with strong government initiative. But what are the real motives and goals of this project? IPv6style asked Wu Hequan, the leader of this project.

Complete interview at IPv6style.

France Telecom Gets MSN Contract with IPv6 support

Date: Thursday, May 06 @ 08:33:46

Topic: IPv6 News

France Telecom, one of the world's leading telecommunications carriers, announced today that it will provide international IP transit capacity to the MSN network of Internet services.

Additional value-added services on its 10 Gbps network include Multi-casting, "Blackholing" security features, IPv6 and housing (collocation) solutions at multiple locations.

Complete information at LightReading.

Deployment plans behind larger IPv6 allocations

Date: Thursday, May 06 @ 10:09:28

Topic: IPv6 Task Force SC

In the last months, several big (bigger than the default /32) allocations had been requested and processed by the RIRs.

In addition to that, new even bigger (around /20) allocations are pending from IANA response. This presentation try to understand what are the deployment plans behind those allocations.

The <u>presentation</u> will be updated as soon as new information is received, so please contact the author if you have any new information.

Hifn's MeterFlow(TM) Meets Critical Needs of Emerging Networking Trends

Date: Thursday, May 06 @ 15:23:39

Topic: IPv6 News

Network security and flow classification market leader Hifn(TM) (Nasdaq: HIFN) recently released MeterFlow version 6.3, a flow classification software package that recognizes and correlates data flows with their associated applications, which includes visibility to a number of new application protocols that are targeted at solving some of the current problems facing networking vendors.

Version 7.0, to be released in the third calendar quarter of 2004, will add full support for IPv6 stateful analysis classification. This means it will not only recognize and classify IPv6 flows but also identify and correctly classify those applications running over IPv6.

Complete information at PRNewswire.

Launch of the IPv6 operational phase in MIX

Date: Friday, May 07 @ 08:51:38

Topic: IPv6 Task Force SC

The Milan Internet eXchange (MIX), communicates the experimentatal phase of IPv6 BGP peerings has been concluded.

Nowadays IPv6 is becoming a real fact in many Italian and European scenarios, in particular way in the research networks.

This development is strongly encouraged by the European Commission that is supporting various research projects related to IPv6, from which we want to point up the newborn Italian IPv6 Task Force.

After this experimental phase, IPv6 peerings will be activated on the same IPv4 peerings LAN allowing IPv6 peering sessions on the same physical interfaces already in use.

Complete info at MIX site.

Marvell Expert Addresses the Future of IPv6

Date: Monday, May 10 @ 15:39:01

Topic: IPv6 News

Marvell, a technology leader in the development of extreme broadband communications and storage solutions, technology expert, Nafea Bishara, will participate in "Is 2004 The Year For IPv6" panel discussion at the Networld + Interop tradeshow in Las Vegas on May 11.

IPv6 is gaining momentum around the world as the need for IP addresses continues to increase. However, the rate and need for adoption in the United States is yet to be determined. The panel will address driving factors and timing for IPv6 in the United States and around the world.

Complete infor at TMC.net.

Treasury to outsource network

Date: Monday, May 10 @ 16:04:38

Topic: IPv6 News

Treasury Department officials issued a request for proposals for network services this week that could carry a \$1.5 billion price tag but would let Treasury get out of the telecommunications business.

Treasury officials said they expect to use the managed services contract to acquire advanced network capabilities such as IP multicast, IPv6, IP telephony and optical wavelength service.

Complete information at FCW.com.

Wintel forces drive toward Ethernet convergence in data center

Date: Monday, May 10 @ 22:03:35

Topic: IPv6 News

Ethernet in the data center stepped forward on two fronts this week as Microsoft Corp. said it would support a new architecture for TCP/IP offload in its Windows Server operating system starting next year. Later versions of Chimney will also natively support Remote Direct Memory Access, which helps reduce latency on bulk Ethernet transfers, and IPv6.

Complete information at CommsDesign.

Greenfield Networks Delivers Industry's First Edge Chassis With IPv6 Support

Date: Monday, May 10 @ 22:08:39

Topic: IPv6 News

Greenfield Networks, the emerging leader in world-class Ethernet switch silicon technology, today announced the GH6000, the industry's first edge chassis with full IPv6 support. The GH6000 reference design supports control plane software from multiple third party vendors, featuring a variety of layer 2 and layer 3 protocols such as STP, RIP, OSPF, BGP and PIM. In addition, the GH6000 supports a variety of IPv6 routing protocols such as RIPng and OSPFv3 as well as MPLS protocols such as LDP.

Complete info at TMC.net, LightReading and PRNeswire.

Fujitsu Microelectronics America Delivers Trio of ASICs

Date: Monday, May 10 @ 22:15:12

Topic: IPv6 News

Fujitsu Microelectronics America, Inc. (FMA) has delivered three high-performance ASICs to Greenfield Networks, Inc., the emerging leader in world-class Ethernet switch silicon technology. Gary Smerdon, president and CEO of Greenfield Networks indicated "Fujitsu helped us meet the demand for full IPv6 support, including routing, QoS, access control lists, and IPv4 to IPv6 transition mechanisms, all essential capabilities for high-performance Ethernet systems".

Complete info at <u>LightReading</u> and <u>PRNewswire</u>.

Laurel Participates in N+I Demo

Date: Monday, May 10 @ 22:19:10

Topic: IPv6 News

Laurel Networks, Inc., the first provider of high-performance service edge routers, today announced its participation in the Advanced Internetworking area of the world-respected iLabs proving ground for networking technologies at NetWorld+Interop Las Vegas this week (May 9 -14). This is Laurel Networks' fourth time participating in the iLabs with its ST200(TM) Service Edge Router, joining leading network equipment vendors in a multi-vendor demonstration of advanced services including MPLS VPNs, IPv6/IPv4/MPLS integration, IP multicast and Quality of Service (QoS).

Complete info at <u>LightReading</u>.

IP Infusion Demonstrates Its MPLS Software Interoperability at Networld+Interop

Date: Monday, May 10 @ 22:21:19

Topic: IPv6 News

IP Infusion, a leading provider of intelligent network software for enhanced IP services platforms, will showcase its commitment to deliver next-generation routing and switching solutions by testing its entire suite ZebOS® MPLS software at InteropNet Labs (iLabs), a live test bed at Networld+Interop 2004 in Las Vegas, Nevada.

The Advanced Internetworking Initiative will deploy a live operational MPLS network. In addition to basic IPv4 unicast traffic, some of the latest developments in IPv6 and IPv6/IPv4/MPLS integration will be explored.

Complete info at MarketWire.

Japan's Largest Optic Network Adopts Hitachi's GS4000 IPv6 Gigabit Switch Series

Date: Monday, May 10 @ 22:24:46

Topic: IPv6 News

Hitachi Information & Telecommunication Systems Division announced May 7 that its GS4000 Series of IPv6 gigabit switches has been adopted into Japan Gigabit Network II (JGNII), Japan's largest optical-fiber telecommunications network for universities and research institutions.

Used as the core switching device for JGNII, the GS4000 is equipped with a number of 10Gbps Ethernet ports, and delivers a maximum switching capacity of 640Gbps.

Complete info at JCNnetwork and Investors.com.

Inet's Spectra2 Supports IPv6

Date: Monday, May 10 @ 22:27:36

Topic: IPv6 News

Inet Technologies, Inc., a leading global provider of communications software products that enable communications carriers to more strategically and profitably operate their businesses, today announced the availability of IPv6 support in its Spectra2(TM) Voice-over-Internet Protocol (VoIP) diagnostics product. IPv6 support, in conjunction with Spectra2's VoIP testing capabilities, was a key factor in Inet's winning business with a tier-one Japanese carrier.

Complete infor at **BusinessWire**.

TeliaSonera receives /20, the bigger IPv6 block up to now

Date: Tuesday, May 11 @ 15:03:07

Topic: IPv6 Task Force SC

TeliaSonera has received the bigger IPv6 block (/20) allocated up to now.

The recent presentation prepared by the IPv6 TF-SC has been updated, including a new "Telia Interviewed" section.

The presentation is available at the EU IPv6 TF site.

RIRs, IPv6 Task Forces and IPv6 Forum Pledge Support of Global IPv6 Deploymet

Date: Tuesday, May 11 @ 15:03:51

Topic: IPv6 Task Force SC

The Regional Internet Registries (RIRs), the IPv6 Task Forces and the IPv6 Forum are working in cooperation to support global IPv6 deployment.

The four Regional Internet Registries (RIRs), APNIC, ARIN, LACNIC and the RIPE NCC, are responsible for the management of global Internet numbering resources, including IPv4 and IPv6 address space, throughout the world. The RIRs confirm their commitment and continued support towards the deployment of IPv6 in cooperation with the IPv6 Task Forces and with the support of the IPv6 Forum.

The IPv6 Task Forces are focused on rapid IPv6 deployment. They see the adoption of IPv6 by industry, governments, schools and universities is particularly important. The extra address space offered by IPv6 will facilitate the deployment of widespread "always-on" Internet services including broadband access for all.

Complete press release available at the <u>EU IPv6 TF site</u>, <u>APNIC</u>, <u>ARIN</u>, <u>LACNIC</u>, <u>RIPE NCC</u>, <u>MarketWire</u>, <u>Excite</u>, <u>ACS</u>, <u>Optionetics</u>, <u>NewsStream</u>, <u>Yahoo Canada</u>, <u>Yahoo Biz</u>, <u>MSNBC News</u>, <u>iWon and Lycos</u>.

Foundry Demonstrates the Industry's Highest-Performance Layer 3-7 Solutions

Date: Tuesday, May 11 @ 16:25:50

Topic: IPv6 News

Foundry Networks®, Inc. a performance and total solutions leader for end-to-end switching and routing, announced today that it will demonstrate the industry's highest-performance IPv6 and Layer 4-7 technologies at the NetWorld + Interop (N+I) tradeshow which opened this week in Las Vegas, Nevada. Foundry will demonstrate wire-speed, 480 million packets-per-second IPv6 switching and routing using its flagship Terabit-class 10-Gigabit Ethernet switch, the BigIron MG8®.

Complete information at YahooFinance and cpilive.

Xelerated Announces Advanced Services for Broadcom's StrataXGS-TM- Ethernet

Date: Tuesday, May 11 @ 16:28:56

Topic: IPv6 News

Xelerated, the price/performance leader in network processing, today announced a joint solution with Broadcom Corporation enabling the development of cost effective, future proof switches for Enterprise and Metro Ethernet applications. Demonstrations of the joint design will be showcased at the NetWorld+Interop exhibit in Las Vegas this week.

The Solution adds IPv6, MPLS and VPLS support at \$10 per Gigabit Ethernet Port.

Complete information at TMC.net, LightReading and CommsDesign.

Broadcom Smartens Up StrataXGS

Date: Tuesday, May 11 @ 16:39:52

Topic: IPv6 News

Broadcom Corporation, a leading provider of highly integrated semiconductor solutions enabling broadband communications, strengthened its position as the leader in the Ethernet semiconductor market today by introducing a broad portfolio of enterprise switch products.

These solutions address additional traffic management requirements of large enterprise networks through support for policy-based rate limiting, end-to-end traffic control, IP multicast capabilities, IPv6 awareness and advanced Layer 2-7 ContentAware(TM) classification and filtering.

Complete information at <u>LightReading</u>, <u>CommsDesign</u> and <u>PRNewswire</u>.

Marvell Introduces New SOHO IPv6 Enabled Switching Solutions

Date: Tuesday, May 11 @ 16:45:32

Topic: IPv6 News

Marvell(R), a technology leader in the development of extreme broadband communications and storage solutions, today announced the availability of unmanaged GbE Link Street(TM) and the IPv6 enabled managed Link Street devices.

With these newly introduced devices, Marvell is adding to its SOHO portfolio enhanced QoS and IPv6 capabilities that enable its customers support emerging applications such as Fiber to the Home (FTTH) and Fiber to the Curb (FTTC).

Complete information at BusinessWire.

The IPv6 Internet: Connect Today with Linux

Date: Wednesday, May 12 @ 10:18:28

Topic: IPv6 News

The Internet protocol version 6 (IPv6) is the next generation Internet protocol designed by the Internet Engineering Task Force (IETF) as a replacement for the Internet protocol version 4 (IPv4). You can enable support for IPv6 in the Linux kernel both as a built-in feature and as a loadable module. I will demonstrate both methods using a Linux machine installed with Fedora Core and running kernel version 2.6.0-test11 (latest version available at the time of writing).

Complete article at **SysAdmin**.

Cisco readies next-generation router

Date: Wednesday, May 12 @ 19:25:53

Topic: IPv6 News

Cisco's new router, code-named HFR for Huge Fast Router, has been one of the most anticipated product announcements in the networking market.

The initial release of software for HFR will also be missing several key features, according to an unnamed source close to carriers testing the product. For example, HFR is not expected to support a full suite of Internet Protocol Version 6, or IPv6, offerings.

Complete information at **ZDNet**.

TeliaSonera Gets IP Address Tranche

Date: Thursday, May 13 @ 13:40:39

Topic: IPv6 News

When 3G really gets going and more advanced mobile applications become a reality an increasing number of IP addresses will be needed. The solution is a new version of the Internet protocol known as IPv6, which multiplies the number of available addresses by several magnitudes.

TeliaSonera was early out of the starting block and has just received the largest allocation to date of IPv6 addresses from RIPE NCC, the Internet organisation responsible for allocation of IP-addresses. The number of addresses TeliaSonera has received is many times the number of addresses currently available on the entire Internet.

Complete info at **BoardWatch** and **TeliaSonera**.

UN ICT TF recommends IPv6 deployment to be fostered

Date: Thursday, May 13 @ 17:26:41

Topic: IPv6 Task Force SC

As a result of the Global Forum on Internet Governance, held in New York the past March, an informal summary has been realeased, including a recommendation for the fostering of the IPv6 deployment. Complete document available at the <u>UN ICT TF site</u>.

SI International Awarded DoD Next-Generation Internet Contract

Date: Friday, May 14 @ 16:20:09

Topic: IPv6 News

SI International, Inc., an information technology and network solutions (IT) company, today announced that it was awarded a prime contract to support the Defense Information Systems Agency (DISA) in defining, establishing and developing the solutions and procedures for the Department of Defense (DoD) Internet Protocol version 6 (IPv6) Transition Office.

The two-year contract is valued at \$2.9 million.

SI International is providing internetworking consulting services to support the roll-out of the next generation Internet protocol. As its first deliverable to DISA, SI International has presented a recommended Internet addressing strategy to accommodate the massive increase in IP addresses needed to fully webenable the U.S. military.

Complete info at PRNewsWire, GCN, FCW.com and Washington Technology.

New 6LINK IPv6 standardisation report published

Date: Tuesday, May 18 @ 16:43:52

Topic: 6LINK

The 6LINK project produces a review of the status of IPv6 standardisation every four months. The latest installment (number 7) of this series, is now available from the IPv6 Cluster downloads area. See the Standardisation Report area to access the document.

The German IPv6 Summit with A Strong Mandate to Be Held in Bonn

Date: Tuesday, May 18 @ 21:30:27

Topic: IPv6 Task Force SC

The German IPv6 Summit with strong highlights will be held June 29-30 to July 1, 2004 in Bonn -- Bad Godesberg at the Municipal Hall. At this technology deployment summit, government and industry leaders will report on applications, German and international initiatives for initial large-scale deployment of Internet Protocol version 6 (IPv6).

The German IPv6 Summit is designed to highlight Germany's role in participating in the worldwide deployment of IPv6.

Complete information at News. Scotsman and NAEurope.

Streaming on-line for the IPv6 Spring Event

Date: Wednesday, May 19 @ 10:47:53

Topic: Eurov6

The IPv6 Spring Event organized by 6NET and Eurov6 is being streamed on-

line.

It can be accessed both in IPv6 and IPv4 here.

3G IPv6 Foresight Pays Dividends

Date: Thursday, May 20 @ 09:59:52

Topic: IPv6 News

When 3G really gets going and more advanced mobile applications become a reality an increasing number of IP addresses will be needed. The solution is a new version of the Internet protocol known as IPv6, which multiplies the number of available addresses by several magnitudes.

TeliaSonera was early out of the starting block and has just received the largest allocation to date of IPv6 addresses from RIPE NCC, the Internet organisation responsible for allocation of IP-addresses. The number of addresses TeliaSonera has received is many times the number of addresses currently available on the entire Internet.

Complete article at www.3G.

6Sense: New IPv6 Newsletter

Date: Thursday, May 20 @ 23:52:02

Topic: IPv6 News

6Sense is the official newsletter of IPv6 Summit, Inc., providing an exchange of perspectives related to Internet Protocol version 6 and the future of the Internet from people, companies, and governments. The 1st newsletter has been published last April 2004 and the 2nd one in May 2004.

North American IPv6 Summit 2004 Boosts Value to Attendees

Date: Monday, May 24 @ 16:13:49

Topic: IPv6 Task Force SC

IPv6 Summit, Inc., the leading provider of international event management services for the new Internet, announced today that the North American IPv6 Summit 2004 has increased value to participants by extending early bird registration for military and government personnel, providing computerized conference badges to manage contacts, enhancing the agenda with top speakers, expanding the exhibition and producing a newsletter.

The event will be held June 14 - 17, 2004 at the Loews Beach Hotel, on the beach in Santa Monica, CA, with an IPv6 Exposition and Demo Area open from June 14 - 16.

Complete information at MarketWire.

IPv6 Summit Switzerland 2004

Date: Monday, May 24 @ 16:19:19

Topic: IPv6 Task Force SC

The IPv6 Summit Switzerland 2004 is the sequel to the successful first IPv6 Summit of April 2003. The first summit met with great response and clearly showed that there is an immense need of broad information on the latest technical developments, concrete, tangible fields of applications, and issues that are of specific business relevance.

The IPv6 Summit provides you with a comprehensive overview of where IPv6 is today, and takes up the subject-matter of ,New Internet Protocol'.

The most relevant central figures present impending innovations of the internet und provide information on the manifold activities in Europe and all over the world.

Complete info at the Swiss IPv6 Task Force site and SICTA.

EZchip's NP-1c Certified by The Tolly Group for Passing IPv6 Benchmarks

Date: Wednesday, May 26 @ 00:12:09

Topic: IPv6 News

EZchip Technologies (a subsidiary of LanOptics Ltd.), a fabless semiconductor company providing high-speed network processors, today announced that its NP-1c 10-Gigabit network processor has completed three industry performance benchmarks for key applications: the LinleyBench(TM) network processors benchmark, the Network Processing Forum (NPF) MPLS Forwarding Benchmark and the NPF IP Forwarding Benchmark for IPv6 and IPv4.

NP-1c is the only 10-Gigabit network processor to complete the NPF MPLS Forwarding and the demanding LinleyBench benchmarks. The third benchmark, the NPF IP Forwarding, was performed by NP-1c using very large routing tables, two orders of magnitude larger than those used by the only other 10-Gigabit network processor to perform this benchmark.

NP-1c exhibited wire-speed throughput and low latency for all test scenarios.

All tests were conducted at The Tolly Group, selected by the NPF and The Linley Group as the independent certification authority.

Complete information at **Business Wire**.

Maran's 10-point agenda for Indian IT

Date: Wednesday, May 26 @ 23:48:16

Topic: IPv6 Task Force SC

Immediately after taking charge of the office of ministry for IT and communication, Union Minister, Dayanidhi Maran has laid a 10-point agenda including focus on IT manufacturing and improving PC penetration in the country.

Includes "Migration to new Internet Protocol IPv6 in India by 2006".

Complete information at CIOL, The Economic Times, Channel Times and ARNnet.

New wireless network protocol for multi-hop networks

Date: Thursday, May 27 @ 09:18:46

Topic: 6HOP

A new kind of wireless network protocol that is based on IPv6 (Internet Protocol version 6) allows users to link to network no matter which platform.

6HOP has some really powerful features," explains Saarinen. "We can use the system for multi-hop heterogeneous networks. What this means is the link between the end user and the network access point could be set up, automatically, by hopping between intermediate workstations.

Complete information at IST Results.

ICANN Board to recommend IPv6 on Nameserver Records

Date: Friday, May 28 @ 07:48:32 Topic: IPv6 Task Force SC

ICANN's Root Server System Advisory Committee (RSSAC) has submitted a recommendation to the ICANN board to allow IANA to "proceed with adding AAAA glue [name server] records to the delegations of those TLDs that request it," and suggests some operational guidelines for IANA to use in implementing this recommendation.

Resolved that the Board formally accepts the recommendation of the RSSAC, and directs the President, through the IANA Manager and staff, to submit the draft procedures to the relevant communities for public comment and implementation.

Complete information at ICANN.

Make a switch

Date: Monday, May 31 @ 10:04:52

Topic: IPv6 News

Foundry Networks has enhanced its NetIron 40G router and BigIron MG8 switch with the adoption of Terathon modules that support wire-speed IPv6.

The modules deliver wire-speed 480 million packet per second internet-scale IPv6 routing, IPv4 to IPv6 transitioning and IPv6 security.

Complete article at ITP Technology.

Mentat Licenses TCP/IP Stack to PalmSource for Cobalt

Date: Monday, May 31 @ 10:08:34

Topic: IPv6 News

Mentat has licensed its TCP/IP stack and Streams infrastructure to PalmSource, the keeper and manager of the Palm operating system and platform.

Mentat TCP is standards-based implementation of TCP/IP, the protocols used for communications over the Internet and other computer networks. It includes IPv6 and IP Security (IPsec).

Complete info at Palm Boulevard.

IPv6 Appli-Contest To Be Held Again This Year

Date: Monday, May 31 @ 10:17:31

Topic: IPv6 Task Force SC

The IPv6 Promotion Council of Japan has announced the IPv6 Appli-Contest 2004. This will be the second running of this event following 2003.

The objective of the contest is to develop ideas and needs for IPv6-based next generation networks, as well as initiating and stimulating public interest in IPv6.

The contest gives out three awards: Idea, implementation and advertisement.

Complete info at Appli-Contest web page.

SEINIT first output now available

Date: Tuesday, June 01 @ 16:17:30

Topic: IPv6 Cluster News

The first public outputs from the Security Experts Initiative project (SEINIT) are now available from the <u>project website</u>. Look under Downloads -> Deliverables for D3.1 'Preliminary Implementation and Development Specification'.

D3.1 is the first document of Work Package 3 (WP3) named 'Implementation of Components and Models'. This document is the report on 'Preliminary Implementation and Development Specification'.

Components are distributed in 4 tasks:

- T3.1: Enhancements to IPv6 security mechanisms and v4-v6 transition mechanisms
- T3.2: Additional mobility support
- T3.3: Supplementary Access Control functionality for Mobility

• T3.4: Preliminary implementations to secure E2E service architecture

For each component provided by the WP3 tasks, the D3.1 document includes a description of the preexisting components, explaining their purpose, how they will be used or adapted and how they will interoperate with the other components of the project. For new components needed and developed by the project, the document specifies the required behaviour and interfaces.

Cuban IPv6 Task Force Launched

Date: Tuesday, June 01 @ 22:52:53

Topic: IPv6 Task Force SC

As a result of the recent mission of the IPv6 TF-SC in <u>Latin American and Caribbean region</u>, which encouraged the immediate launch of the <u>LAC IPv6 TF</u>, further National LAC IPv6 Task Forces are quickly being formed.

The first initiative comes this time from Cuba, where a strong group of participants, led by the Public Administration, have organized in a very short period, several IPv6 events and a very useful web site (currently only in Spanish).

The <u>Cuban IPv6 Task Force</u> is already working in the "National Strategic IPv6 Transition Plan", with the 1st draft expected for June 2004.

Internet Leadership: Another Opportunity for Southern California

Date: Wednesday, June 02 @ 10:30:21

Topic: IPv6 News

The advent of Internet Protocol version 6 offers an opportunity again for Southern California to lead. IPv6 is very far along – the specifications have existed for nearly ten years, router companies like Cisco, Hewlett-Packard and NEC include IPv6, and most of the latest versions of popular operating systems (including Windows XP, Linux, OS X, Palm 6.0, and EPOC) support IPv6 in some fashion. However, there are almost no applications, no content, and no big success stories.

Complete information at Larta.

Department of Defense Selects Hexago

Date: Wednesday, June 02 @ 14:36:08

Topic: IPv6 News

High Performance Computing Modernization Program (HPCMP) Acquires Three Hexago Migration Brokers (TM) for IPv6 Transition, announced today Hexago, to facilitate the transition of the Defense Research and Engineering Network (DREN) from the current Internet Protocol version 4 (IPv4) to the next generation Internet Protocol version 6 (IPv6) in fiscal year 2004.

Complete information at MarketWire.

IPv6 Summit in Taiwan 2004: Empowering IPv6 Industrialization

Date: Thursday, June 03 @ 07:44:12

Topic: IPv6 Task Force SC

Since 2002, IPv6 Development and Deployment have been major items in the nation's 6 year e-Taiwan Project. The government expects all domestic networks will support both IPv6 and IPv4 by 2008, and thereby, creating a good infrastructure for new applications and equipments.

IPv6 Summit in Taiwan 2004 features the recent IPv6 industrialization progress around the world and particularly, the status in Taiwan.

As the No.1 end-user communication product supplier on the planet with production value of 6.618 billion US dollars (NTD218.4 billion) in 2003, Taiwanese manufacturers are empowered and ready to support the next generation Internet.

Complete information at the IPv6 Summit Taiwan web site.

When Everything is Connected

Date: Thursday, June 03 @ 07:44:54

Topic: IPv6 News

The phrase "to be connected" used to conjure up images of an old boys' network of rich and influential people. Nowadays, that idea is likely to be slightly different.

The concept, however, is the same: all networks serve to connect people and businesses.

Complete article at Network.Computing Asia.

Legal Position in relation to the system/ISP and data protection

Date: Thursday, June 03 @ 08:33:02

Topic: Euro6IX

Euro6IX delivered the document D4.5 "Legal Position in relation to the system/ISP and data protection and its relation the processing of personal data".

The document analyses the personal data issues that the deployment and use of IPv6 may involve in the information society by means of the precise analysis of different cases to which this protocol shall be applicable.

The deliverable is available at the Euro6IX web site.

Ixia Launches IxChariot Runtime

Date: Thursday, June 03 @ 20:11:57

Topic: IPv6 News

Ixia, a global provider of IP network testing solutions, has released IxChariot Runtime, a new version of its IxChariot application performance test software that is designed for field validation of newly installed IP services by a service provider's field-service team.

IxChariot Runtime supports hundreds of protocols and can be used to test voice over IP, quality of service, multicast, IPv6 and other advanced services.

Complete info at Enterprise Networks & Servers.

Foundry fronts Cisco with cheaper router

Date: Friday, June 04 @ 12:15:23

Topic: IPv6 News

Foundry Networks Inc. has launched an access router in a direct challenge to Cisco Systems Inc., claiming it offers a cost-effective alternative to the networking giant. It is also hopping on the IPv6 bandwagon -- which, it says, is key to capturing new markets.

The company is introducing IPv6 to its range of 10Gb switches and routers, and in its NetIron 40G and BigIron MG8 products from July.

Complete info at <u>ComputerWorld HK</u>, <u>ComputerWeekly</u>, <u>ZDNet</u>, <u>ComputerWorld Australia</u> and <u>ZDNet</u> Australia.

DOD provides IPv6 access to its research network

Date: Friday, June 04 @ 21:43:18

Topic: IPv6 News

The Defense Department's High Performance Computing Modernization Program office has purchased three IPv6 access servers to provide IPv6 connections to its research network over plain old Internet links. The Defense Research and Engineering Network is one of two DOD networks piloting the department's transition to the next generation of the Internet Protocol.

Complete info at GCN.

6Sense June 2004

Date: Monday, June 07 @ 07:12:10

Topic: IPv6 News

The Volume 1 Number 3 of 6Sense journal is available.

Contains the following articles:

- Standing on The Shoulders of Giants: An Invitation to the IPv6 Summit in Santa Monica
- Winning A Place in the New Multi-Trillion Dollar Market
- Is Best Effort IP Really Economic?
- IPv6 in Europe: From R&D to Deployment
- Internet Leadership: Another Opportunity for Southern California
- Dual IPv6/v4 Stacks for Embedded, Networked Devices
- IPv6: Real Benefits to Service Providers and Enterprises Alike
- Making IPv6 A Reality Now
- Characterizing IPv6 Application Performance
- An introduction of "Global IP Business Exchange 2004"

Is available at the 6Sense web site.

DHCPv6 interop test event

Date: Monday, June 07 @ 09:29:19

Topic: IPv6 News

The next DHCPv6 interop test event will be held in Cannes on October 11-15, 2004 organized by ETSI.

Furthermore, a specific web site is operated in order to provide a discussion forum for DHCPv6 application. Complete information at the DHCPv6 web site.

Laurel Networks Expands ST-series Family with New ST50

Date: Monday, June 07 @ 14:56:20

Topic: IPv6 News

Laurel Networks, Inc. today introduced the ST50(TM) Service Edge Router, delivering all of the proven multiservice functionally of its high-capacity ST200(TM) Service Edge Router in a smaller, lower-cost platform. Like the ST200, the ST50 combines Internet routing, Layer 2 switching, broadband subscriber management, high availability and integrated service management, while adding ST50 MiniPHY (physical interface) cards with enhanced levels of interface granularity. New ShadeTree(TM) 3.1 System Software (shared across the ST50 and ST200) adds non-stop sessions, IPv6 and LAC (L2TP Access Concentrator) functionality.

Complete information at Business Wire and LightWave.

Convergence callis: 10 telecom trends to impact IT companies

Date: Tuesday, June 08 @ 06:49:26

Topic: IPv6 News

Networking companies that are eyeing Defense Department contracts will need IPv6 partners. Beyond that, adoption of the Internet standard will likely be slow but steady.

Cody Christman, director of product engineering at Verio, said agencies are testing IPv6 but don't yet see a compelling reason to change. Verio was one of the first companies to offer commercial IPv6 service across its national network. "What they might not understand is it's not a forklift upgrade," Christman said.

"Upgrading our backbone cost us nothing."

Complete information at Washington Technologoy.

IPv6-enabling process at Panasonic Communications

Date: Tuesday, June 08 @ 11:56:40

Topic: IPv6 News

Panasonic Communications, maker of office automation and communication as well as PC peripherals, is the most aggressive in IPv6 support among Panasonic companies.

Its product got the first IPv6 Ready Logo in the world as a terminal device.

Complete article at IPv6Style.

Ariel Networks and IPv6

Date: Tuesday, June 08 @ 12:00:50

Topic: IPv6 News

Ariel Networks was established in 2001, by Japanese ex-employees of Lotus Development Corp. The company released groupware product Ariel AirOne in September 2002 and project management product Project A in April 2004.

Ariel AirOne has an IPv6-enabled version. IPv6style asked Seiichiro Inoue, Chief Architect, about business P2P and IPv6.

Complete information at IPv6Style.

Communication Gear Market Begins To Rebound

Date: Wednesday, June 09 @ 08:13:40

Topic: IPv6 News

Propelled by a series of small and large communication infrastructure installation projects in public sector, the lackluster market for communication equipment will likely rebound in the second half of this year. The most attractive project among them is the plan for commercializing IPv6 system, the next-generation Internet address system, proposed by MIC and the National Computerization Agency (NCA).

Complete information at Korea IT News.

6NET and Eurov6 presentations and photos available

Date: Wednesday, June 09 @ 08:26:28

Topic: Eurov6

Following the successful Spring 2004 6NET Conference and Eurov6 Showcase, all presentations and photos can now be found here.

FreeBit to Deploy IPv6 IP Phones

Date: Thursday, June 10 @ 22:29:16

Topic: IPv6 News

Internet solution provider FreeBit has announced that it will introduce its IP Centrex-based IPv6 telephone service "FreeBit OfficeOne IP Business Phone" to Kyoritsu Maintenance, Japan's largest operator of student and company dormitories, beginning this month.

FreeBit will deploy more than 20,000 IP phones at about 300 dorms managed by Kyoritsu across Japan.

Complete information at <u>JCNnetwork</u>.

KTF Opens Ubiquitous Test Center

Date: Friday, June 11 @ 17:31:08

Topic: IPv6 News

KTF, the nation's second largest mobile carrier, unveiled its plan to open the Ubiquitous Test Center designed to develop futuristic and ubiquitous services in an effort to secure next generation growth engines. The mobile operator plans to link existing IPv6 testbed to its Ubiquitous Test Center.

Complete info at Telecoms Korea.

IPv6 modules knock Foundry into shape

Date: Monday, June 14 @ 08:19:37

Topic: IPv6 News

Foundry Networks is to attack the WAN market with a range of T1/E1 routers, and is talking up new modules that bring IPv6 functionality to its BigIron MG8 and NetIron 40G chassis.

"IPv6 will be ubiquitous within three to eight years," said Bob Schiff, director of marketing at Foundry.

"There are a lot of applications that will need to be changed to work with IPv6, and it costs money to do so. But the change-over seems to be happening a lot faster than expected."

Complete information at **VNUnet**.

Result on Research on New Address Delegation Strategies for IPv6 IXs

Date: Monday, June 14 @ 09:15:35

Topic: Euro6IX

A new deliverable (D2.4) is available from Euro61X.

IPv6 IXs can perform address delegation. This deliverable discusses what IX address delegation means, how it can be implemented in theory in practice.

This document describes the requirements for the address delegation process of the IPv6 IX and the Layer 3 Mediation Function (L3MF) as a means of performing IPv6 IX based address delegation.

The document is available at the Euro6IX web site.

Agilent Unveils IPv6 Test Tool

Date: Monday, June 14 @ 22:09:50

Topic: IPv6 News

Agilent Technologies Inc. today demonstrated the industry's first IPsecv6 (Internet Protocol Security version 6) test solution, enabling equipment manufacturers and network operators to measure the scalability of IPv6 network security devices and virtual private networks (VPN) services.

Agilent's N4180A NetworkTester can validate vital IPv6 specifications such as the ability to sustain high volumes of encrypted data transfer between thousands of real users, allowing verification of device performance and network designs.

Complete info at Light Reading and TMCnet.

International Chamber of Commerce statement on the introduction of IPv6

Date: Tuesday, June 15 @ 05:21:48

Topic: IPv6 Task Force SC

ICC is uniquely positioned to encourage business and governments around the world to promote the benefits of a smooth transition from IPv4 to IPv6. Representing Internet users and service providers globally, ICC endorses the progressive introduction by business of IPv6 and advocates for increased awareness among business and governments on the benefits of IPv6.

In order to continue forward progress in the transition to IPv6, minimize deployment costs, and enable innovative new applications to be developed, it is essential that business and governments understand the benefits and challenges of IPv6. First priorities should include analysis, testing and planning initiatives to ensure the interoperability of IPv4 and IPv6 during a period of smooth coexistence and transition.

Complete info at ICC web site.

Hexago Inc. and Native6 Inc. Form Partnership

Date: Tuesday, June 15 @ 05:26:09

Topic: IPv6 News

Hexago, Inc., the world-leading specialist in IPv6 deployment, and Native6, the leader in professional services for IPv6 knowledge enhancement and integration, today announced the formation of a partnership to bring to market a comprehensive and cost effective integration solution for the deployment of IPv6, the next generation Internet protocol.

Complete information at Market Wire.

Interpeak Demonstrates IPv6 TCP/IP Stack Conformity with TAHI Test Suite

Date: Tuesday, June 15 @ 16:47:07

Topic: IPv6 News

Interpeak AB, a pioneer in Internet and security protocol solutions for embedded systems, today announced that the IPNET dual mode IPv4 and IPv6 TCP/IP stack successfully passed the TAHI conformance tests for the IPv6 protocol specification, both as host and router.

IPNET has passed the atomized conformance tests for IPv6 specification without remarks, configured both as a host stack as well as a routing stack. The TAHI test suite will now become a permanent part of the IPNET validation system to maintain IPv6 conformity and interoperability.

Complete information at TMCnet, BusinessWire and Interpeak.

Verio Adds IPv6 Managed Services

Date: Tuesday, June 15 @ 23:54:20

Topic: IPv6 News

Web hosting provider Verio announced on Tuesday that it has expanded the functionality of its Internet protocol version 6 commercial offering in North America, adding a full suite of IPv6 managed services. New IPv6 applications include a managed router service, NxT1 support, a shadow service backup solution and frame relay support.

Complete info at the WHIR, Host Review and Comms Design.

Turn The Channel

Date: Wednesday, June 16 @ 15:44:15

Topic: IPv6 News

For the next three minutes, forget about dot-com deaths. Forget about layoffs in your sector. Forget about recertification. Let's talk technology—specifically, input-output.

As a report from Illuminata explains, "InfiniBand is a network approach to I/O." InfiniBand components are addressed by IPv6 addresses, just as any other network node might be.

If you've been wondering whether Microsoft would ever start talking about IPv6, looks like it could happen via support of InfiniBand in the Whistler timeframe.

Complete info at MCPmag.

Blue Coat Web Proxy Expert to Address IPv6 Global Summit

Date: Wednesday, June 16 @ 22:38:00

Topic: IPv6 News

Blue Coat Systems, Inc., a leading provider of proxy appliances, today announced that Qing Li, senior Web proxy appliance architect for Blue Coat, will present at the North American IPv6 Global Summit on Thursday, June 17.

In his session titled "Building IPv6 Enabled secure Proxy Appliances," Li will lead a discussion on the impact IPv6 technology has on the design of next generation proxy appliances.

Complete info at PRnewswire.

Test Vendors Target VoIP, IPv6

Date: Thursday, June 17 @ 06:36:38

Topic: IPv6 News

The telecom sector's test-and-measurement vendors haven't waited for next week's Supercomm show to splash the news of new product releases and capabilities.

Another emerging technology that's creating new opportunities for test firms is IPV6, which is picking up momentum outside of its current Asia/Pacific stronghold.

Complete article at Light Reading and Boardwatch.

Council approves revised e-Europe action plan

Date: Thursday, June 17 @ 15:44:30

Topic: IPv6 Task Force SC

Fifteen new actions to further develop the information society have been approved by EU telecoms ministers. Broadband deployment and take-up remain the key objective of the plan. To further boost broadband applications and content, the Commission will monitor Member States' progress in take-up of the next generation internet protocol (IPv6).

Complete information at **EurActiv**.

Measuring the success of the next generation Internet

Date: Friday, June 18 @ 17:11:45

Topic: 6QM

IPv6 will play a key role in the next generation Internet. It promises to deliver better quality services than the existing Internet, but how can we be sure? IST project 6QM was set up to ensure service providers deliver what they promise.

The 6QM project has developed technology to measure the quality of service (QoS) in IPv6 networks. Researchers from 6QM are actively participating in the Internet Engineering Task Force (IETF) to develop standards for QoS measurement.

Complete article at IST Results and Innovations Report.

Agilent Intros Multiservice Tester

Date: Monday, June 21 @ 08:03:51

Topic: IPv6 News

Agilent Technologies Inc. today introduced the industry's most comprehensive multiservices test solution for converging voice and data networks.

What distinguishes N2X from previous-generation test solutions is its ability to test leading-edge services, such as metro Ethernet, IP/VPN and L2oMPLS for ATM, over the latest converged infrastructure standards such as MPLS, IPv6 and next-generation SONET.

Complete information at LightReading.

Guidelines for ISPs on IPv6 Assignment to Customers

Date: Monday, June 21 @ 08:36:30

Topic: IPv6 Task Force SC

This document provides simple guidelines for Service Providers in order to facilitate the understanding of the correct assignment/allocation of IPv6 addresses/prefixes to customers.

It summarizes the information contained in the different documents (IETF, RIRs policies, etc.), regarding the practices for the delegation of IPv6 prefixes/addresses from ISPs to end Customers. The document is available at the EU IPv6 Task Force site.

Spirent Communications Unveils Next-Generation IP Router Test System

Date: Tuesday, June 22 @ 12:36:17

Topic: IPv6 News

Spirent Communications today announced its TRT Interactive test system for the evaluation of new voice, video and data services in complex IP routing networks. It and other Spirent solutions will be exhibited during the SUPERCOMM tradeshow (booth #11400).

Spirent's TRT Interactive has been specifically designed to overcome the challenges of time consuming set up and retesting by simplifying the evaluation of multiple protocols, traffic types, such as mixed IPv4/IPv6, and IP multicast.

Complete info at **BusinessWire**.

Accton and IP Infusion Join Forces to Develop Ethernet and Metro Switches

Date: Wednesday, June 23 @ 14:40:48

Topic: IPv6 News

Accton Technology Corp., a leading outsourcing partner of advanced communication products and IP Infusion, a leading provider of intelligent network software for enhanced IP services, today announced that they will team together to develop Enterprise and Metro Ethernet switches available to Accton OEM partners. Complete information at Business Wire.

A Scalable and Cost-Optimized Search Subsystem for IPv4 and IPv6

Date: Wednesday, June 23 @ 18:10:52

Topic: IPv6 News

Cypress Semiconductor Corporation today announced that it will host a one-hour net seminar entitled "A Scalable and Cost-Optimized Search Subsystem for IPv4 and IPv6." The live seminar will be held on Tuesday, June 29, 2004 at 9:00 a.m. PDT. Complete information at Business Wire.

Juniper's NetScreen to Get IPv6

Date: Friday, June 25 @ 00:09:56

Topic: IPv6 News

Supercomm – Juniper Networks Inc. will take the next step towards integrating the NetScreen Technologies Inc. product range next week, following its \$4 billion dollar acquisition of the security specialist earlier this year (see Juniper Buys NetScreen.

Complete info at LightReading.

6NET Newsletter

Date: Friday, June 25 @ 23:51:51

Topic: 6NET

The 5th Edition of the 6NET Newsletter has been published. This features articles on H.323 deployment, the Globus Toolkit, an IPv6-enabled car, and IPv6 connectivity to the Central Asian States. There is also an interview with Brian Carpenter of IBM and a report on the Global IPv6 Service Launch event. The newsletter is available from http://www.6net.org/publications/newsletters/may-2004.pdf.

2nd 6NET Workshop

Date: Friday, June 25 @ 23:52:43

Topic: 6NET

The 6NET project held its 2nd IPv6 Workshop on 9 June 2004 during TNC 2004 in Rhodes, Greece. This featured speakers on multicasting, mobility and new applications, as well as power line transmission and deployment issues.

The proceedings are now available online at http://www.6net.org/events/workshop-2004/.

Research Networks - Newslette, May/June 2004

Date: Friday, June 25 @ 23:55:51

Topic: IPv6 News

The May/June edition of the Research Networks newsletter is available here.

Global IPv6 Summit in Korea 2004

Date: Saturday, June 26 @ 11:03:53

Topic: IPv6 News

On July 5-7, 2004, the IPv6 community will witness another international gathering of professionals in Asia for the "Global IPv6 Summit in Korea 2004" hosted by the Ministry of Information and Communications (MIC) of Korea.

The organizing committee of the Summit has put together an exceptional program with the distinguished speakers including the International IPv6 Forum Chairman, the IETF experts and world's leading specialists in IPv6 field.

With the theme of "IPv6: New IT Infra!", distinguished speakers of the conference will give you lots of commercialized IPv6 technologies around the world.

Complete information and registration at the event web site.

Identifying IPv6 Network Problems in the Dual-Stack World

Date: Saturday, June 26 @ 11:10:56

Topic: Euro6IX

One of the major hurdles limiting IPv6 adoption is the existence of poorly managed experimental IPv6 sites that negatively affect the perceived quality of the IPv6 Internet.

To assist network operators in improving IPv6 networks, we are exploring methods to identify wide-area IPv6 network problems.

We identify the existence of an IPv6 path problem by comparing IPv6 delay measurements to IPv4 delay measurements.

The paper will be presented at next SIGCOMM'04 Workshop and is available here.

Santa Monica IPv6 Summit 2004 slides available

Date: Sunday, June 27 @ 11:39:02

Topic: IPv6 News

The slides of the last IPv6 Summit and Tutorial in North America, ara available at the event web site.

Furakawa Picks Cavium Security Processor

Date: Monday, June 28 @ 11:31:08

Topic: IPv6 News

Cavium Networks announced today that The Furukawa Electric Co. Ltd. is using the NITROX II Security Macro Processor to deliver the world's fastest performing VPN system to date.

The FITELnet-F8000 IPsec Router has realized the highest IPsec performance of 2 Gbps for minimum sized packets while supporting 3,000 tunnels. Furthermore, FITELnet-F8000 offers advanced and flexible features for the communication carrier including IPv6 and virtual-router functions.

Complete information at LightReading.

Huawei, 3Com Pump Up IPv6

Date: Monday, June 28 @ 11:49:11

Topic: IPv6 News

Recently, Huawei and Huawei-3Com held an IPv6 commercial products press conference in Beijing, during which they also exhibit products, solutions and a serial of application achievement in the area of IPv6. As a leading player in the data communications industry, Huawei started to follow up and study IPv6 from 1996. Huawei and Huawei-3Com have attained outstanding achievements and have been successfully awarded more than 10 patents pertaining to IPv6.

Complete info at Light Reading.

China builds its first commercial NGI city area experiment network

Date: Tuesday, June 29 @ 08:48:49

Topic: IPv6 News

An important orientation item of the knowledge innovation project initiated by Chinese Academy of Sciences (CAS), "Internet Protocol Version 6 (IPv6) Key Network Technology Research and City Area Demonstration System" has passed the appraisal by expert panel.

The success marks that China has established its first commercial city area experiment network for the Next Generation Internet (NGI)in Southwestern China's Chongging municipality.

Complete information at **People's Daily Online**.

Key Technology for Next Generation Internet

Date: Tuesday, June 29 @ 08:58:57

Topic: IPv6 News

IPv6 core router, a member of BE12000 series jointly developed by the Department of Computer under the Tsinghua University, and Qinghua Ziguang Biwei Corp, passed its technical verification check on May 29, 2004, organized by the Chinese Ministry of Science and Technology.

Complete information at CHINA SCIENCE AND TECHNOLOGY Newsletter.

Industry's First Infranet-Ready IPv6-Solution

Date: Tuesday, June 29 @ 16:35:07

Topic: IPv6 News

New Production-Ready IPv6-Enabled Security Products Extend Juniper Networks IPv6 Leadership. Extending its leadership position in helping service providers and enterprises deploy and secure Internet Protocol version 6 (IPv6) networks, Juniper Networks, Inc. today announced availability of its NetScreen ScreenOS, the company's standard security products operating system, with production-ready support for IPv6.

Complete information at **TMC.net** and **BusinessWire**.