WIPONET

WIPO's Global Information Network

Presentation to the

Standing Committee on

Information Technology (SCIT)

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WIPONET Presentation Overview

- **Project Scope and Objectives - Phase 1**
- **Project Schedule**
- **Pilot Projects**
- **Security**
- **Services**
- **Deployment Issues**
- **Deployment Planning**
- **WIPOnet ~ Other WIPO IT Activities**
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WIPONET Project Scope - Phase 1

- **Dedicated Internet connectivity to IP Offices with secure end-to-end services (220 IP Offices in 171 Member States)**

- **Dedicated WIPONET backbone between IB and up to ten locations world wide**

- **Local IP Office computing infrastructure (PCs, LAN, printer, scanner, firewall, software, …)**

- **Basic services: email, file transfer, web hosting/publishing, distance learning support, conferencing, list servers, survey and approval tools, ...**

- **24 hour Helpdesk services in multiple languages**

- **Network Operating Center**

- **Direct high bandwidth Internet connectivity to IB**

WIPONET Project Objectives . . .

- **Training on use of WIPONET for staff of IP Offices (project being prepared)**
- **Development of WIPONET IP Services including:**
  - **the IPDL project**
  - **PCT services resulting from the PCT automation project**
  - **WIPO World Wide Academy - distance learning**
  - **Arbitration Center**
- **Future planning for Disaster Recovery and Mirror Sites**

Further enhancement (Phase 2) of the WIPONET infrastructure and development of the WIPONET and IP services are planned for the 2000-2001 budget period.

WIPONET Users

- **WIPONET users**

  - **- IP Offices** (Patent, Trade Marks, Copyright)
  - **- Regional Offices (ARIPO, OAPI, …)**
  - **- WIPO staff**
  - **- Other IP community**
  - **- General public**

WIPONET Project Schedule - 1999

- **Last date for bids - June 7, 1999**
- **Short-List determined by late July**
- **Proof of Concept Tests in September**
- **Awarding of contract - late September 1999**
- **Deployment start date - October 1999**
- **The rate of deployment to be determined with the Prime Contractor**
- **Order of implementation of IP Offices to be coordinated between WIPO, IP Offices and Contractor**

WIPONET Pilot Projects

- **Pilot Projects are nearing completion in:**
  - **ARIPO**
  - **OAPI**

Local computing infrastructure in place (PCs, LAN, servers, printers, software, …), Internet connectivity to be installed soon.

WIPONET Infrastructure - IP Offices

- **Equipment for IP Offices:**
  - 6 Windows NT Workstations (with DVD drives)
    - Software: MS Office, e-mail, browsers, anti-virus, backup, …
  - 1 Printer
  - 1 Scanner
  - Security hardware & software
  - PC Video Camera
- **Scalable Internet Connectivity**

WIPONET Architecture
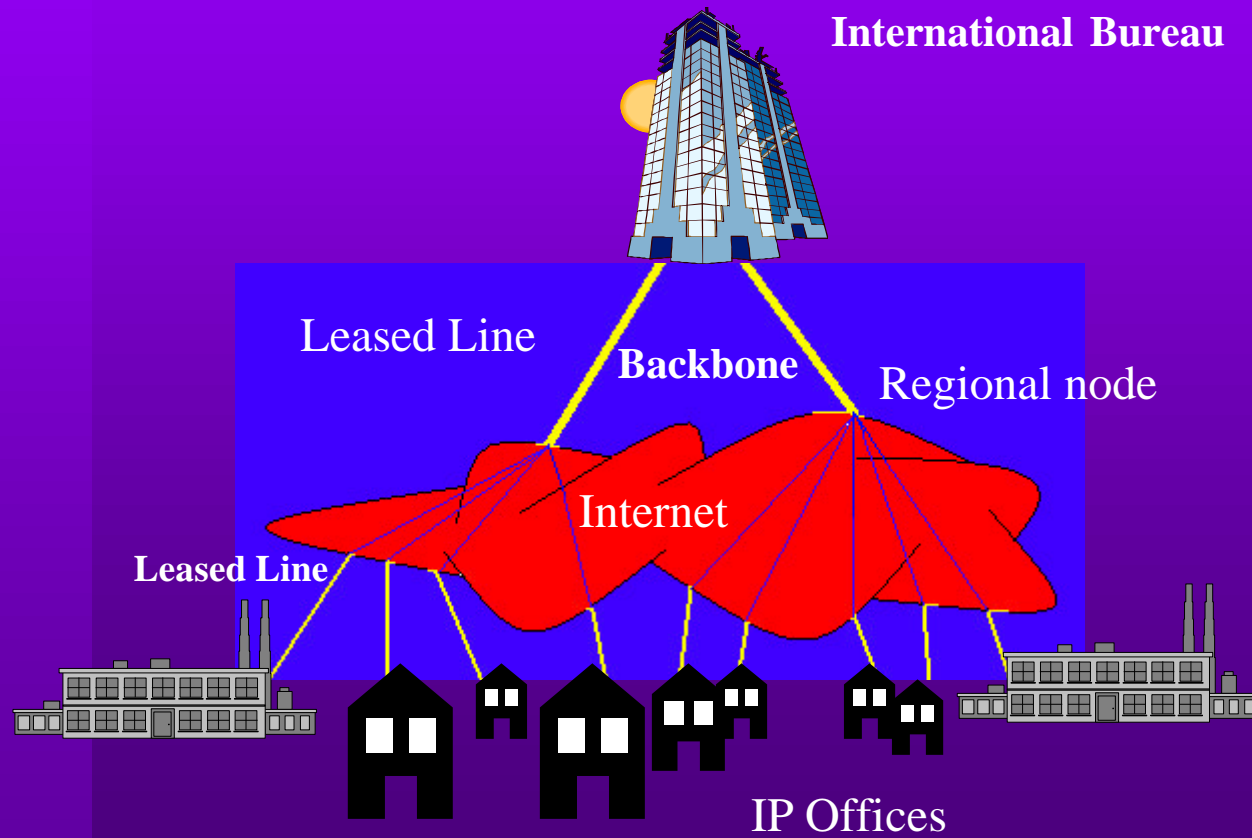
WIPONET Security

- **The need to protect Intellectual Property Information during the Application and Review stage is clear.**

- **Computer/Network security addresses:**
  - Building Access
  - Computer Room Access
  - Systems Administrator Access
  - Network Access

- **WIPO needs a Security Policy**

WIPONET Services

- **Two types of services**
  - **WIPONET Basic Services**
    - Operated and Managed by the WIPONET Prime Contractor
  - **WIPONET IP Services**
    - Other Services available from WIPO via WIPONET

WIPO~NET~ Basic Services

- **E-mail**
- **Public Web Access**
- **Web Hosting & Publishing**
- **File Transfer facility**
- **Remote participation in WIPO meetings**
- **Confidential Data Exchange**
- **Electronic mailing lists**

WIPONET Basic Services

- **WIPONET HelpDesk**
  - 24 hours x 7 days, phone and e-mail support
  - 6 languages
  - "one stop" shop for
    - local Office Utilities (Word, Excel etc.)
    - support for any WIPOnet related administration

- **Configuration Management**
  - Software upgrades and maintenance (desktop software, virus, security, …)

WIPONET IP Services

- **Access to Intellectual Property Data Libraries (IPDLs)**
- **Access to the PCT services**
- **Distance Learning, WIPO World Wide Academy**
- **Arbitration Center**
- **Survey and Approval tools**

Deployment Issues

- **IP Offices in Developing Countries:
  Points to consider . . .**

  - awareness of WIPONET objectives, scope, benefits
  - preparation for equipment, software, services & training
  - commitment of resources (staff, time, space, etc.) to use and sustain WIPONET
  - interfacing WIPONET with existing IT infrastructure & systems
  - existing telecommunication infrastructure
  - existing environmental conditions

Deployment Planning

- **Deployment coordinated within WIPO**
  (WIPONET Team, Bureaus, Academy, PCT, IRD, …)

- **WIPONET Information brochures for IP Offices**

- **Special WIPONET regional meetings**

- **Training sessions and workshops**

- **IP Offices to appoint WIPONET Focal Point**

- **Each IP Office deployment to be coordinated by:**
  - assigned Focal Point from the IP office
  - assigned Bureau Program Officer for that office
  - assigned WIPONET Team member for that office

WIPONET & Other WIPO IT Activities

- **Coordination between WIPONET and other IT related projects and activities within WIPO** e.g.
  - IP Office internal automation projects
  - National Focus Action Plans (NFAPs)
  - Activities of WIPO IT experts in the regions
  - WIPO Regional seminars, workshops, . . .
  - Purchase of IT equipment for IP Offices (PCT Rule 87, ROMARIN Workstations, . . .)
- **WIPONET Information Providers Coordination Group**

Other IP Networks

- **Coordination between WIPO**NET **and other IP Networks**
- **Trilateral Secure Virtual Private Network (TSVPN)**
  - **USPTO**
  - **JPO**
  - **EPO**
  - **WIPO IB connection commissioned in May**
- **PATNET (European Network)**

IP Office Benefits

- **Developed Countries**
  - move from paper to electronic exchange of IP data provides significant gains in efficiency and cost
  - secure private network ensures strict confidentiality
  - development of global standards and guidelines for exchange of IP information
  - access to global IP Digital Libraries (IPDLs)
  - use of WIPONET services (e.g. remote participation in WIPO meetings, online survey & approval, text/audio/video conferencing over WIPONET, …)

IP Office Benefits

- **Developing Countries**
  - **Internet connectivity**
  - **equipment, software & infrastructure**
  - **training of staff**
  - **recurring costs (sustainability) taken care of by WIPO**NET
  - **Services (email, web hosting, file transfer plus more)**
  - **availability of round-the-clock technical support**
  - **access to distance learning facilities**
  - **access to IP Digital Libraries (invaluable resource)**
  - **improved communication with WIPO**
  - **plus all other benefits mentioned for developed countries within the limits of available bandwidth**

End of Presentation

Thank You