

① 0911024pcv.ice



State Information Technology Agency
Criminal Law (Forensic Procedures) Amendment Bill
Phase 1 – Body prints, Finger prints and Photographic Images



AGENDA

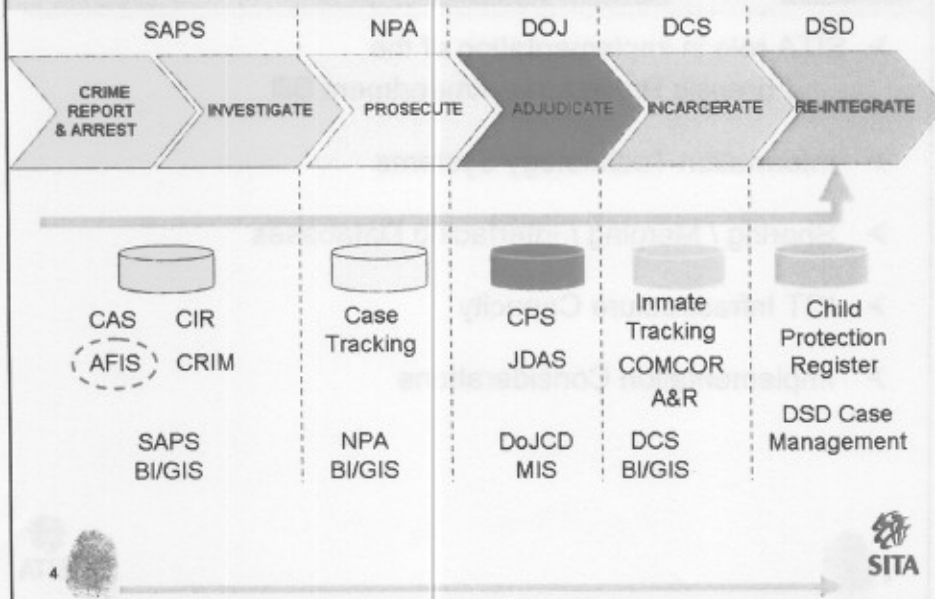
- SITA role in implementation of the Forensic Procedures Amendment Bill
- Information Technology Systems
- Sharing / Merging / Interfacing Databases
- ICT Infrastructure Capacity
- Implementation Considerations

SITA role in implementation of the Forensic Procedures Amendment Bill

- SITA not involved with the Office for Criminal Justice System Reform (OCJSR) request for Amendment Bill
 - Business requirements via Department CIO
 - ICT involvement based on Business Agreement with Department
- Engagement with Departments
 - SITA infrastructure for hosting of databases and applications
 - SITA communication network for inter-Departmental communication
 - SITA development / enhancement of ICT Systems
- 3 SITA facilitation of Departmental tenders



Information Technology Systems



Information Technology Systems

Business Problem:	SAPS	NPA	DOJCD	DCS	DOSD	DHA	Trans-versal
Responsive-ness	ARS, AVL MCD						Integration
Case Management	eDocket ICDMS, Exhibits & Property	Prosecu- tion Planning	ICMS / eScheduler				Integration SAJXML
Person / Identity Mgt	NPIS, AFIS, Livescap, Detention Mgt IJS Person Tracking	IJS Person Tracking	eScheduler IJS Person Tracking	Inmate Tracking, RDOM IJS Person Tracking	CPR, Secure Care IJS Person Tracking	HANIS WhoAmI Online IJS Person Tracking	Integration SAJXML IJS Person Tracking
Criminal Justice Performance	SAPS BI	NPA BI	DOJ BI	DCS BI	DSD BI		SAJXML IJS BI/GIS DPRTT ISCC

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SITA

Information Technology Systems

> Department of Police

▪ Systems Hosted at SITA

- ✓ Automated Fingerprint Identification System (AFIS)
- ✓ Fingerprint Enrolment System (FES)
- ✓ e-Booth Photo Capturing System
- ✓ Firearms Control System (FCS)

▪ Systems Managed and Hosted at SITA

- ✓ Judicial Document Image Storing System (JUDISS)

▪ Systems Developed and Hosted at SITA

- ✓ National Photo Image System (NPIS)
- ✓ Local Criminal Record Centre (LCRC) Admin System
- ✓ Criminal Record Information System (CRIM)

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SITA

Information Technology Systems

➤ Department of Home Affairs (DoHA)

- Systems Hosted by DoHA

- ✓ HANIS

- Systems Hosted by SITA

- ✓ National Population Register

➤ Department of Transport (DoT)

- Systems Hosted by DoT

- ✓ e-NATIS

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Sharing / Merging / Interfacing Databases

➤ Sharing of Body/Finger prints and Photographs

- En Masse transfer to SAPS and updates thereafter
- Feedback to DoHA on SAPS links / Image request

▪ Merging of Data Bases

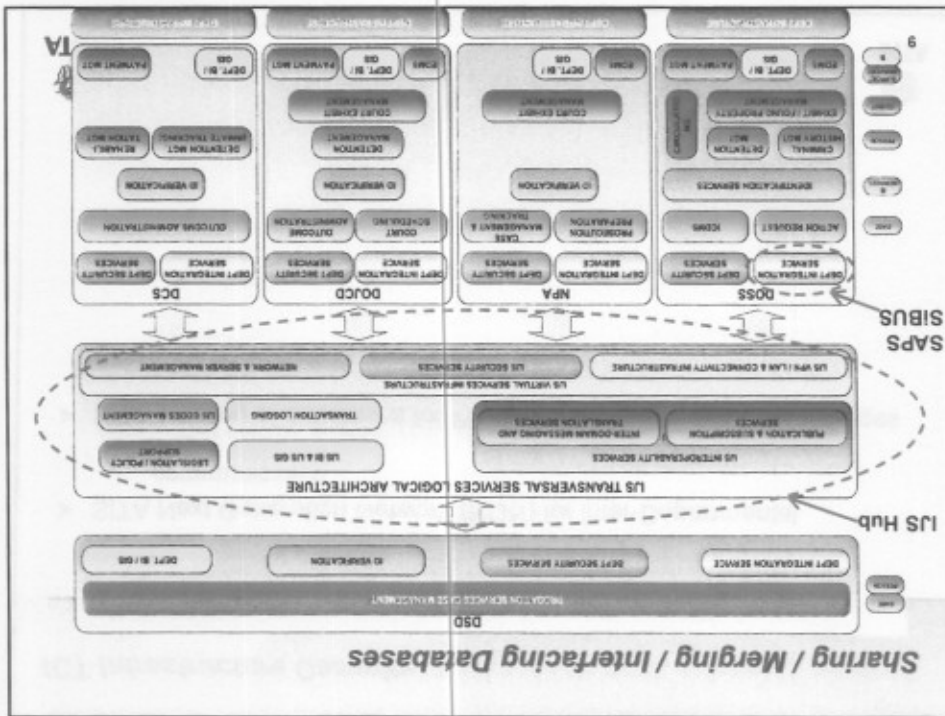
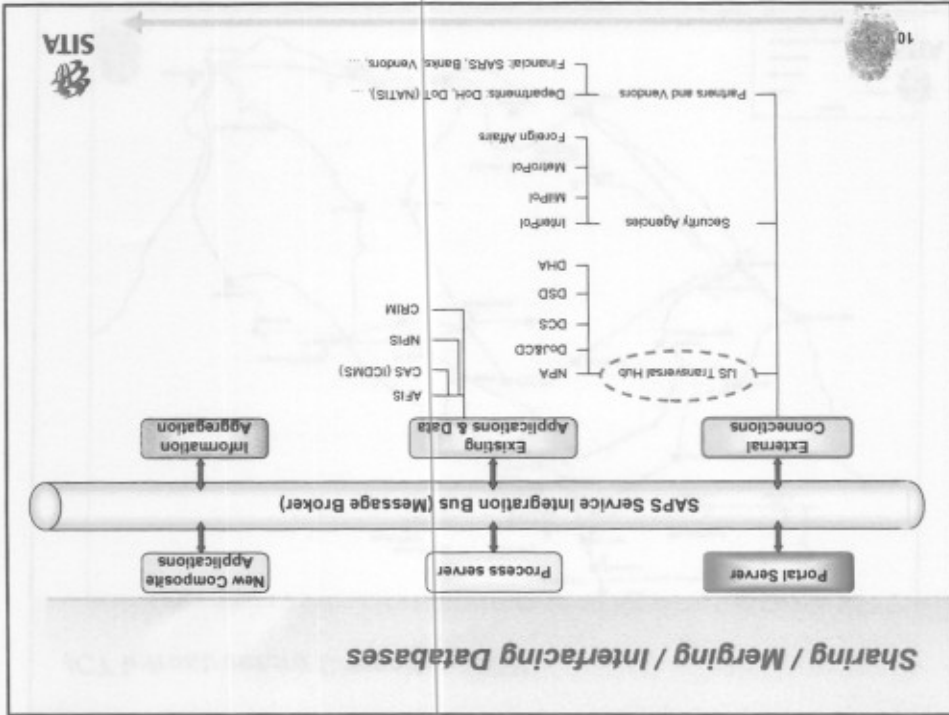
- Unique identifier required
- Reaction time to departmental systems

▪ Interfacing of Data Bases

- Interfacing via IJS Interoperability HUB
- Departmental integration service (SAPS SIBUS)

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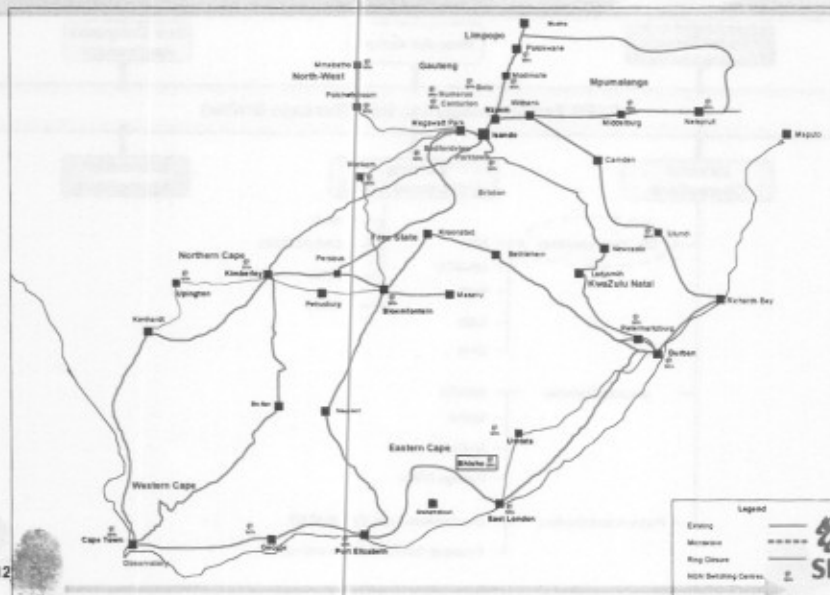
ICT Infrastructure Capacity

- SITA Next Generation Network (NGN) for inter-Departmental communication
- SITA Hosting of databases for Finger-/ Body-prints and Photo images

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ICT Infrastructure Capacity - NGN



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ICT Infrastructure Capacity - NGN Network Operations Centre (NOC)



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ICT Infrastructure Capacity - NGN

- SITA Next Generation Network fully deployed
- Creates the platform for E-Government
- Virtual Private Networks (VPN's) are created on the NGN to suit client requirements in terms of designs and policies
- Provides multi-media functionality. Provides a data, voice and video capability based on demand.
- Provides for different levels of network security (according to Department's security policy)
- End-to-end network management with client portal for statistics.

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ICT Infrastructure - Interoperability

- SAPS uses their own private network managed by SITA
- Department of Justice and Constitutional Development uses a VPN network from Telkom
- Secure interconnectivity between networks exists with IJS Hub.
- NGN provides for connecting external networks and enabling interoperability

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ICT Infrastructure Capacity – SITA Hosting Services

- SITA currently hosts all the SAPS databases
- SITA busy with facilitation of a R40m database storage expansion for SAPS IJS at Numerus
- SITA has three large hosting sites with capability to host the anticipated Finger- / Body-prints and Photo Images database.
- SITA have a secure Disaster Recovery Site (tested twice per year)

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Implementation Considerations and Costing

- Sharing of databases recommended
 - Initial bulk transfer (not via IJS HUB)
 - Daily update after initial transfer (via IJS HUB)
- SAJXML standards for data transfer
- Lack of Unique Identifier
- SITA not involved with the funding request for the initiative
- Existing investments in IJS HUB (R24m + R5m)
- SITA Integrated infrastructure can be used

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Thank you



