



Arab ICT Organization
(AICTO)



Information Technology
Authority
Sultanate Of Oman



International
Telecommunication
Union (ITU)



African Telecommunication Union (ATU)



National Digital Certification Agency
Tunisia

eGov. Framework

Yousef Ertahi

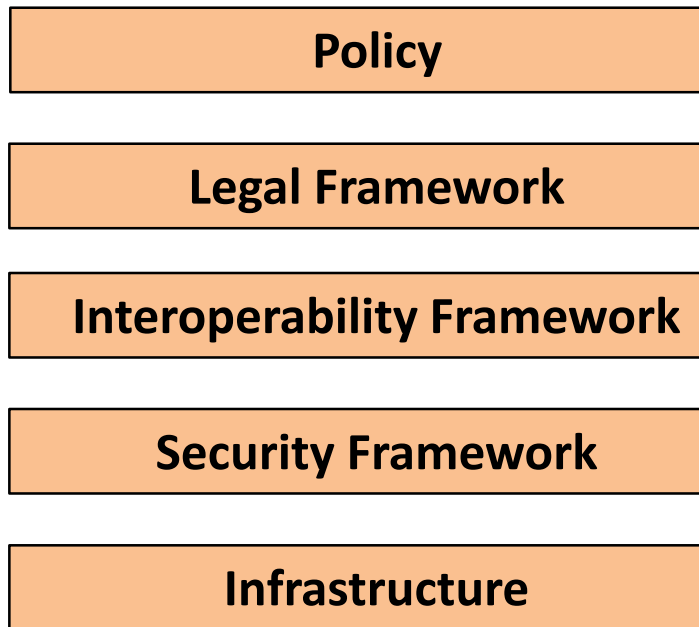
*eGov Partnerships manager, Ministry of Telecom. & IT,
Palestine*

MTIT

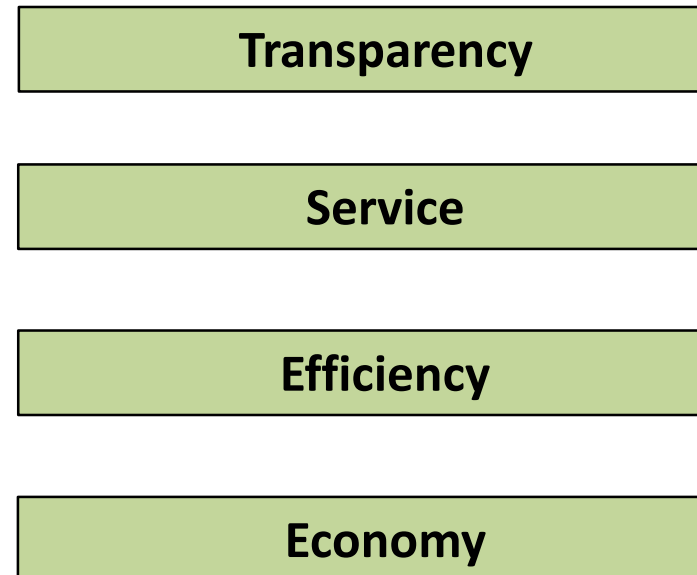
- MTIT was formally created in 1994
- The Ministry's mandate includes regulating the ICT sector, the e-Government, and the postal services.
- The Ministry's organizational structure consists of General Directorates and Departments, including:
 - E-Government General Directorate,
 - Telecommunication General Directorate
 - Frequencies General Directorate
 - Postal Services General Directorate
 - IT General Directorate
 - the Government Computer Centre.

eGovernment

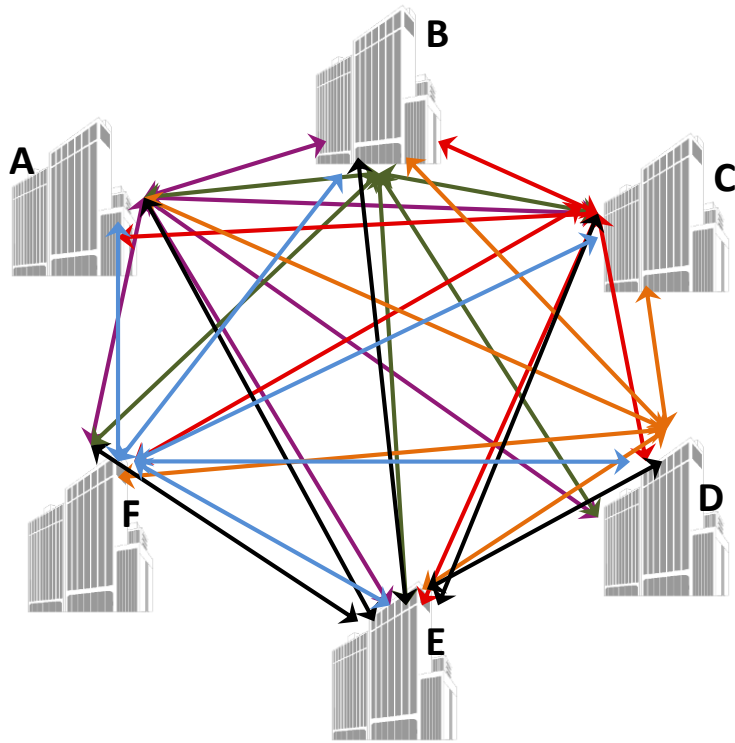
Layers



Goals



Zinnar FW for Semantic Interoperability



- a “Framework” to agree on the naming, meaning, structure of the data
 - “ad-hoc” ” is not scalable.

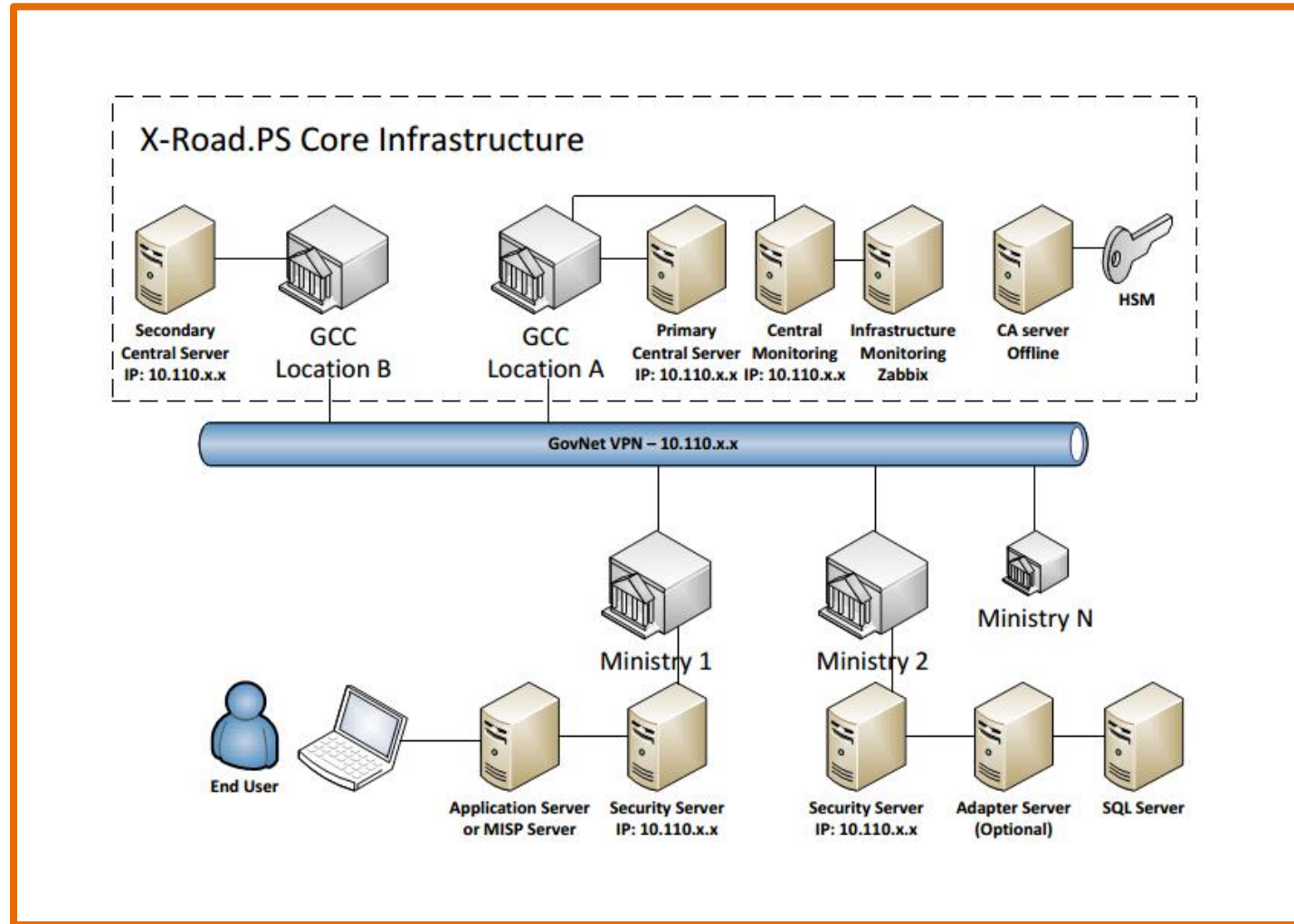
Zinnar FW for Semantic Interoperability

The screenshot shows the Zinnar website interface. The browser window title is "The Palestinian Interoperability Portal ZI...". The address bar shows "zinnar.pna.ps". The page header includes the title "The Palestinian Interoperability Framework" and the Arabic title "إطار التبادل البيئي الفلسطيني". The navigation menu includes "Databases - قواعد البيانات", "Services - الخدمات", "Addresses - العناوين", "Entities - الكيانات", "Ontology - الاطولوجيا", and "Home". The main content area features the title "إطار التبادل البيئي الفلسطيني - ZINNAR" and the subtitle "The Palestinian Interoperability Framework - ZINNAR". A paragraph explains the framework's purpose: "In order to exchange data via e-Government services, different governmental agencies need to agree on and understand different elements in the exchanged data message. In other words, to provide or consume data via e-Government services, different parties must understand and agree on the vocabulary, meaning, structure, codes, and business rules pertaining to the exchanged data. Also, in order to develop and maintain e-Government services, important metadata about the government registries and databases in addition to metadata about services must be maintained and used." A section titled "How can I start using Zinnar?" explains that Zinnar provides a scalable solution for interoperating heterogeneous information systems. The sidebar on the left includes a "Public Consultation" notice and "Events & News". The right sidebar lists various services and government ministries: "اللجنة الوطنية لمعايير التبادل البيئي", "الحكومة الإلكترونية", "الأخبار", "ورشات العمل", "مواقع الكترونية حكومية", "The Palestinian e-government academy", "وزارة الاتصالات وتكنولوجيا المعلومات Ministry of Telecom & IT", "وزارة الداخلية Ministry of Interior", and "وزارة المالية Ministry of Finance".

Palestinian Data Exchange Layer X-Road for Technical Interoperability

- Connects G2G e-services
- Connects information systems through adapter servers, mainly using web services.
- Facilitates and simplifies government processes and integration by connecting and mediating all communications and interactions between heterogeneous nodes.
- Secure inter-ministerial data exchange layer based on PKI
- Provides access control on service/institution level.

Palestinian Data Exchange Layer



G2G E-Services

- We avoided legal lack by Signing MoUs Between Ministries for exchanging data via e-services.

Other PKI Projects

- Palestine Monetary Authority (PMA) connected with Banks via PKI environment
- Project for eID smart card implemented by Ministry of Interior Mol

Legal Framework

E-Transactions Law

- Drafted by a committee consisting of 8 ministries and headed by the MTIT.
- The law is enacted and has been effective starting July 2017
- The Law governs all electronic transactions, payments and signatures including those between the government and the citizens.
- The main component covered by the Law that is essential for e-government implementation is the e-signature.

Legal Framework

e-Certification Unit at MTIT

- The Law identified the Certificate Authority of State of Palestine as a Unit under MTIT (the CA Unit).

The main functions of the CA Unit based on the law are as follows:

- Issue the decisions, instructions and orders needed to implement the Law.
- Prepare the bylaws needed for E-Transaction Law implementation
- Provide the digital certification and digital signature services;
- Organize, operate and manage the digital certification and digital signature tools.
- Supervise and Monitor the digital certification and digital signature service providers.
- Conduct research and prepare studies in relation to the E-Transactions and digital signature;
- Signing Mutual Recognition Agreements with international bodies;
- Representing the state in the conferences, workshops and trainings related to the e-Transactions and digital signature subjects

Legal Framework e-Certification Unit at MTIT

- Looking forward for cooperation!
 - Legal
 - Policies and operation
 - Technical

Thank you!