



OVERVIEW OF RAIS

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WHAT IS RAIS

- The Regulatory Authority Information System (RAIS). Software developed by the IAEA to assist the regulatory bodies in managing their regulatory programme
- It promotes a consistent and common approach to the regulatory control, in accordance with Safety Standards and Code of Conduct
- Customizable to match national regulatory systems



WHAT IS RAIS

- RAIS provides for:
 - ✓ Keeping registry/records of regulatory data
 - ✓ Management of regulatory information
 - ✓ Management of regulatory activities
- For new regulatory bodies, RAIS can be used as a guide for establishing a regulatory program



RAIS – Scope

- RAIS is a comprehensive system. Its default scope covers:
 - ✓ Infrastructure information (e.g. country's administrative infrastructure, regulatory body, governmental authorities,)
 - ✓ Facilities , Radiation sources and associated equipment
 - ✓ Authorization, Inspection, Enforcement and Workers
 - ❖ radiation events, occupational exposure, technical services, security aspects
- RAIS provides, through its customization mechanisms, for expansion to cover other areas, if of interest to the regulatory body



Customization Features

- RAIS is highly customizable to match national regulatory systems, it includes
 - ✓ Interface
 - ✓ Background functionalities
 - ✓ Reports and data analysis
 - ✓ Regulatory system settings
- Most of RAIS interface components are dynamically generated from specific database entries.
- Additionally, RAIS interface includes customization tools to modify such database entries



Access Control & Data Confidentiality

- User access control to prevent unauthorized access
- ✓ User rights are determined by data roles and functional roles
- ✓ Public area exists; can be customized
- Functional role: controls what interface elements, e.g. menus, are accessible and what are the permissions
- Data role: controls which data is accessible
- Data confidentiality aspects related to network security are the responsibility of the using countries



Access Control & Data Confidentiality

- Administrator: full access in RAIS 3.2 Web, including adding, modifying, deleting and viewing all data, modifying regulatory system model and modifying regulatory system data. Additionally, administrators are allowed to define users into the RAIS 3.2 Web system and assign access permission
- Regulator: view, modify, add and delete regulatory data, and only to view regulatory system data



Access Control & Data Confidentiality

- Licensee: allowed to view global and public information as well as access only regulatory data about its own facility. Adding, editing and deleting any data related to their facility is subject to validation process by the regulatory body
- Guest: only allowed to view global and public information



Data Confidentiality: Functional roles

The screenshot shows the RAIS 3.2 Web Administration interface. The browser address bar indicates the URL is `http://localhost/RAIS32/EditFunctionalRoles_New_Update2.aspx`. The user is logged in as Administrator. The main navigation menu includes Administration, Regulatory System, Input, Query, Statistics, Tools, Message Box, Help, and Logout. The left sidebar shows a tree view with Customization, User management, Data roles, Functional roles, and Users. The main content area is divided into two sections: Functional Role Management and Functional Role Permissions.

Functional Role Management

- Administrator
- Guest
- Licensee
- Regulator
- Restricted Access Regulator
- Training FR

Functional Role Permissions

Main menu	Submenu	Menu items	View	Add	Edit	Delete
Administration	All Submenus	All Menu items	+	+	+	-
Input	Authorizations	All Menu items	+	+	+	+
Input	Inspections	All Menu items	-	-	-	-

Buttons: Add, Edit, Delete, Undo, Apply

Modifications have been saved

RAIS use in Africa

Country	RAIS Version	Country	RAIS Version
Algeria	RAIS 3.0	Mali	RAIS 3.1 Web
Angola	RAIS 3.1 Web	Mauritania	RAIS 3.2 Web
Botswana	RAIS 3.1 Web	Mauritius	RAIS 3.2 Web
Burkina Faso	RAIS 3.1 Web	Mozambique	RAIS 3.0
Cameroon	RAIS 3.0	Namibia	RAIS 3.2 Web
Central African republic	RAIS 3.2 Web	Niger	RAIS 3.0
Cote d'Ivoire	RAIS 3.2 Web	Nigeria	RAIS 3.1 Web
D.R. Congo	RAIS 3.1 Web	Sudan	RAIS 3.0
Egypt	RAIS 3.0	Seychelles	RAIS 3.1 Web
Ethiopia	RAIS 3.0	Sierra Leone	RAIS 3.0
Gabon	RAIS 3.0	Tanzania	RAIS 3.0
Ghana	RAIS 3.1 Web	Tunisia	RAIS 3.0
Kenya	RAIS 3.0	Uganda	RAIS 3.0
Madagascar	RAIS 3.0	Zambia	RAIS 3.1 Web
Malawi	RAIS 3.2 Web		



IAEA Assistance

RAIS Web (2009 – 2012)

	Servers for RAIS Web	Expert missions	Regional Workshops
Africa	17	11	3 + 2 sub-regional
Asia & Pacific	6	4	1
Europe	3	3	1
Latin America	2	2	1
Inter-regional meetings			3



Thank you!!!!!!

