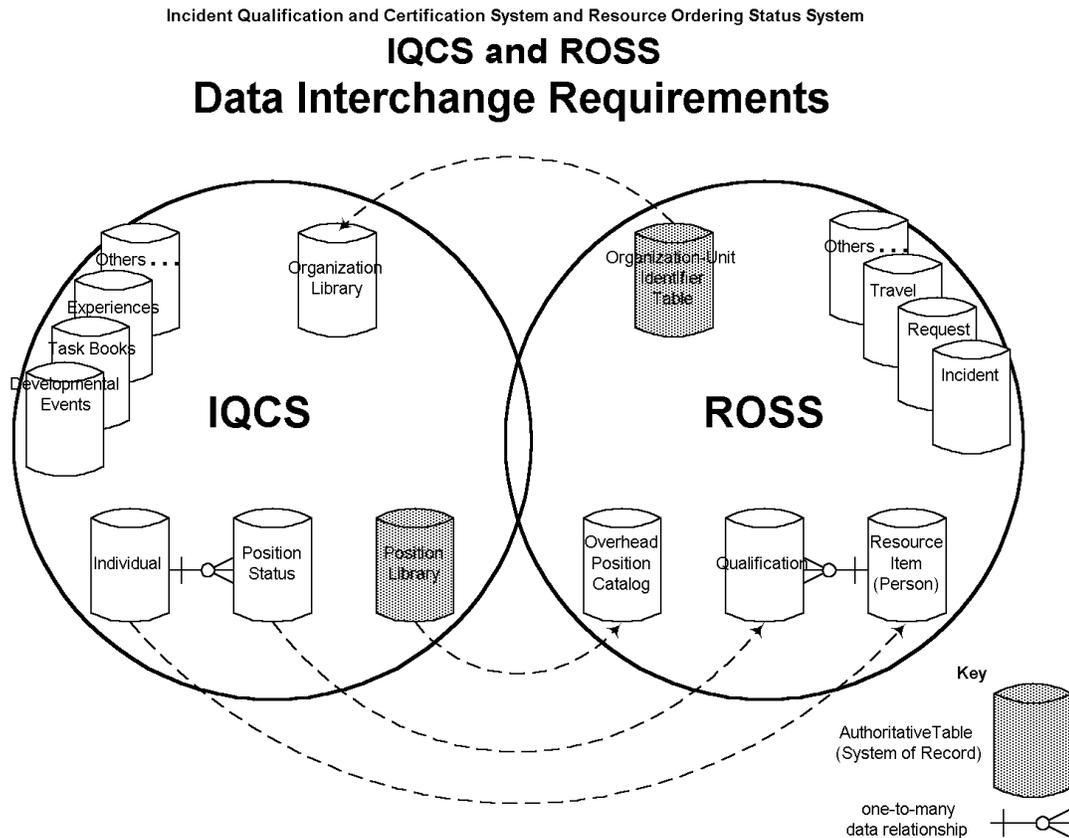


# Incident Qualification & Certification System Study

## APPENDIX S - IQCS-ROSS Data Interchange Requirements

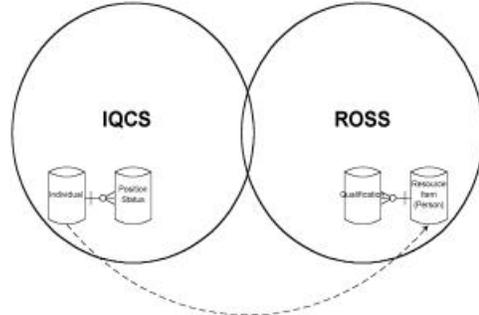
One of the key system-to-system interfaces that is required is the Incident Qualification and Certification System (IQCS) to-and-from Resource Ordering and Status System (ROSS). ROSS, currently under development, will be the fire community's resource (labor, equipment and materials) dispatch system upon implementation during fiscal year (FY) 2001. IQCS will be an information source of personnel and personnel certification (Red-Card) information for ROSS. In addition to Red-Card information, IQCS and ROSS will be the systems of record for authoritative information that the other will need (referred to as authority "Library" information by IQCS and "Catalogs" information by ROSS). Graphically, the data exchange relation looks like the following:



September 2000

**IQCS Individual Entity  
to ROSS Resource Item (Person)**

IQCS Processing: When there is any change to an individual's ROSS related information, there is a record-to-record transaction. IQCS will create a transaction record. Transaction records will be available upon demand for ROSS to pull at any time. Individual transaction record identifier will be the individuals social security number (SSN). Individual transaction records will be date and time stamped, assigned a transaction code. Transaction records will be keyed on social security number (SSN). Transaction codes are as follows:



- C: Using the IQCS entity identifier, **create** a new ROSS entity occurrence
- U: Using the IQCS entity identifier, **update** the existing ROSS entity information
- D: Using the IQCS entity identifier, **delete** the existing ROSS entity information

IQCS Information

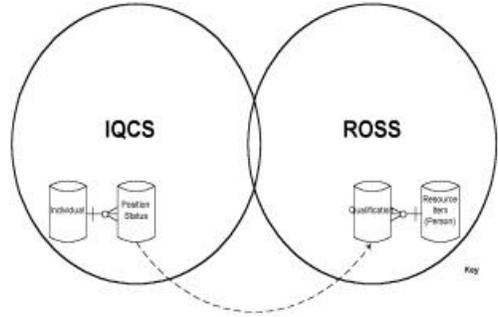
Transaction Date  
 Transaction Time  
 Social Security Number  
 Last Name  
 First Name  
 Middle Name  
 Employment Type  
 Gender  
 Organization Unit  
 Duty Station  
 Primary Contact (Phone)

ROSS Information

Transaction Date  
 Transaction Time  
 Social Security Number  
 Person Last Name  
 Person First Name  
 Person Middle Name  
 Employment Status  
 Person Gender  
 Organization ID (owner)  
 Organization ID (duty station)  
 Contact Method (Phone)

Secondary Contact (Phone)

Contact Method (Phone)



Tertiary Contact (Phone)

Contact Method (Phone)

**IQCS Position Status to ROSS Recourse Item (Person) Certification**

IQCS Processing: When there is any change to an individual’s certification ROSS related information, there is a record-to-record transaction. IQCS will create a transaction record. Transaction records will be available upon demand for ROSS to pull at any time. Certification transaction record identifier will be the individuals social security number (SSN). Certification transaction records will be date and time stamped, assigned a transaction code. Transaction records will be keyed on social security number (SSN). Transaction codes are as follows:

- C: Using the IQCS entity identifier, create a new ROSS entity occurrence
- U: Using the IQCS entity identifier, update the existing ROSS entity information
- D: Using the IQCS entity identifier, delete the existing ROSS entity information

IQCS Information

ROSS Information

Transaction Date  
Transaction Time  
Social Security Number

Transaction Date  
Transaction Time  
Social Security Number

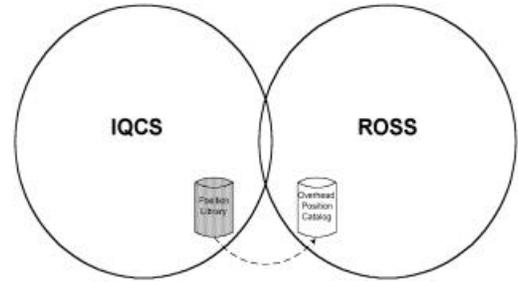
Position Mnemonic  
Status Type

Overhead Position Code  
Certification Status

Note: Individual and Individual certification entity relationships are the responsibility of ROSS processing

**IQCS Position Library**  
**to ROSS Position Catalog**

IQCS Processing: When there is any change to position ROSS related information, there is a file-to-file update availability. IQCS will create a replacement file. The Position Library file will be available upon demand for ROSS to pull at any time. Position record identifier will be the position mnemonic.



IQCS Information

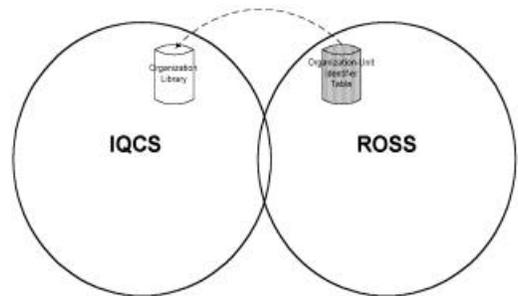
Position Mnemonic  
 Position Title  
 Position Description

ROSS Information

Overhead Position Code  
 Catalog Item Name  
 Catalog Item Description

**ROSS Organization Unit Table**  
**to IQCS Organization Unit Library**

ROSS Processing: When there is any change to NICC organization information, there is a file-to-file update availability. ROSS will create a replacement file. The Organization Unit Table file will be available upon demand for IQCS to pull at any time. Organization record identifier will be the NICC (organization mnemonic) code.



ROSS Information

Organization Identifier  
 Organization Code

IQCS Information

Organization Code  
 Organization Key

Organization Name  
Organization Category Code

Organization Name  
Unit Identifier Key