## FEATURE

SAP WBSCM Security "Roles"

November 2008

This issue of the WBSCM Update builds on the previous issue highlighting the Human Capital (people) transitioning to the WBSCM system. To support the successful transition, the process of connecting the right people (WBSCM users) with access to the right functionality (through SAP WBSCM security roles) is highlighted in this issue.

What's a Role?

SAP WBSCM security role(s) play an important part in shaping how people can interact with the SAP WBSCM system to perform their daily WBSCM responsibilities (functional job), and thus possibly impacting changes to their organizational job. The figure below illustrates the relationship between roles and jobs.
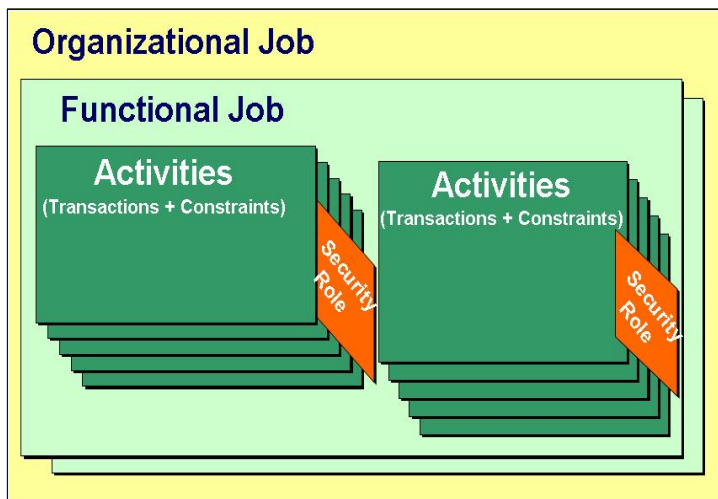
SAP WBSCM Job to Roles Mapping

A person holding a position within an organization may have daily responsibilities outside the realm of WBSCM that are part of their organizational job. The daily responsibilities pertaining to WBSCM activities are grouped into one or more functional job(s). These functional job(s) may entail many different activities (SAP transactions + constraints) within the WBSCM system.

The grouping of related activities is an SAP WBSCM security role. Thus, a person may have more than one security role assigned to them to be able to perform their functional job(s).

Examples of Organizational Jobs

Organizational jobs are the positions people hold within their organizations. These positions have a job description and job title attributes. A person's organizational job describes their organizational duties, and some of those duties may be one or more functional jobs on WBSCM. Also, in some instances Organizational jobs and Functional jobs share the same *name* but are not the same thing.

Examples of Organizational Jobs (per agency)

- ❖ Marketing Specialist (AMS, FSA)
- ❖ Procurement Clerk (AMS)
- ❖ Accountant (AMS)
- ❖ Financial Specialist (AMS)
- ❖ Ag. Marketing Specialist (FAS)
- ❖ Traffic Management Specialist (FAS)
- ❖ Contract Specialist (FSA)
- ❖ Program Analyst (FNS)
- ❖ Program Specialist (FNS)
- ❖ Order Manager (USAID)
- ❖ Freight Specialist (USAID)

Examples of Functional Jobs

Functional jobs were initially defined during the Design Phase by the functional teams, and are being refined during the current Build Phase. They pertain to the processes to be performed in the SAP WBSCM System. Functional jobs represent the to-be/future state and where possible are shared across agencies for standardization.

Examples of Functional Jobs (per agency):

❖ Contracting Officer (AMS, FSA, FAS)
❖ Complaint Specialist (AMS, FSA, FNS, FAS)
❖ Contracting Officer - Traffic (FSA)
❖ Recall Specialist (AMS, FNS)
❖ FICO Data Maintainer (AMS)
❖ Payment Processor (AMS)
❖ Price Support Material Specialist (FSA)
❖ COR – Freight (FAS)
❖ Procurement Reviewer – Domestic (FNS)
❖ Order Manager (FNS)
❖ Freight Specialist (USAID)

Examples of Security Roles

A security role is a logical grouping of activities. All persons who will perform activities in WBSCM will be assigned one or more security roles. Security authorization is required before any person can access, or perform activities on the system.

Examples of security roles:

❖ Finance (View Only)
❖ Procurement (View Only)
❖ Fulfillment (View Only)
❖ Maintain Material Master

For example, the FSA Contracting Officer (CO) Functional job will have the Finance (View Only) security role assigned to it, since COs may need view-only access to certain WBSCM financial documents.

Another example is the Maintain Material Master security role. This role is assigned to users that will be responsible for maintaining the database of materials (commodities or services).

Examples of Activities

The unique combination of transactions and constraints (limitations including organizations, dollar values, or material types) are termed "activities". Activities are grouped together logically to define security roles, and are mapped to functional jobs.

An example of an activity on the SAP WBSCM system is to "Create Bid Invitation/Solicitation". This activity has an associated constraint, limiting the activity to creating or updating bids. This activity is then mapped to the functional job of an FSA CO.

SAP WBSCM Roles Approach Per Phase

Currently during the Build Phase, the Security Integrated Process Team (IPT) is leading the establishment of a role-based security framework that includes defining and building the SAP WBSCM security roles (see below).
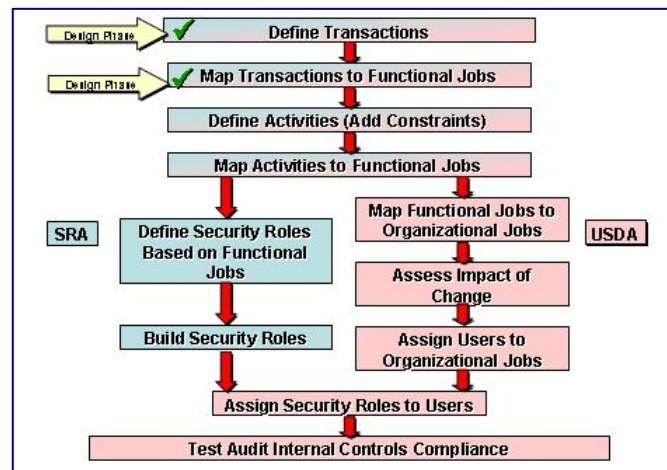
SAP WBSCM Roles Approach

SAP WBSCM Roles Approach steps:
1. Define Transactions (Design Phase)
2. Map Transactions to Functional Jobs (Design Phase)
3. Define Activities with Constraints (Build Phase)
4. Map Activities to Functional Jobs (Build Phase)
5. Define Security Roles based on Functional Jobs (Build Phase)
6. Build Security Roles (Build/Test Phase)
7. Map Functional Jobs to Organizational Jobs (Build/Test Phase)

8. Assess Impact of Change (Build/Test Phase)
9. Assign Users to Organizational Jobs (Test Phase)
10. Assign Security Roles to Users (Test Phase)
11. Test Audit Internal Controls Compliance (Test Phase)

What are the Benefits of Having Accurate Roles?

The benefits of establishing accurate roles through a security framework include the following:

❖ Enables easier and relevant navigation for WBSCM users *(e.g. role based navigation)*
❖ Ensures proper security-controlled access to data *(e.g. view data vs. acting on data)*
❖ Facilitates security and system testing

Additionally, the USDA team will utilize security framework outputs to:

❖ Ensures compliance with organizational policies and regulations *(e.g. OMB A-123)*
❖ Understand the impacts of the new business processes on Organizational Job definitions
❖ Facilitates the transition of how people will use the WBSCM system
❖ Facilitates the transition of people's responsibilities
❖ Facilitates requirements identification for end user training

Who is involved in establishing SAP WBSCM Roles?

The Security Integrated Process Team (IPT) is comprised of USDA and USAID WBSCM Team members and has a mission to establish and implement a role based security framework for the SAP WBSCM system. If you have any questions regarding the Security Team and its activities, please contact one of the following team members:

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STATUS CORNER

❖ The following Informal Playbacks have occurred to date: creating bid invitation templates, orders sourced from warehouses, budget consumption, Hard Stops, and overrides for statistical commitment items.
❖ Currently the USDA HCT Team is identifying the impacted WBSCM users and stakeholders, and assessing the change impacts from the Release 1 Design Document as a starting baseline.
❖ The WBSCM Functional Teams are completing the following three activities in Build Phase Cycle: Standard Domestic Sales Order Process, Off Shore Sales Order Process, and International Sales Order Process fulfilled by procurement and shipment tracking; Long Term Contracting.

DID YOU KNOW?

…The USDA has allocated $234 Million to help US farmers and ranchers develop oversees consumers through 70 US trade organizations?

…The USDA SNAP program (former Food Stamp Program) strengthens the ability to put healthy food within reach by increasing access to those who are eligible.

…The USDA has made it simple to calculate "How Much Do I Need to Eat" to get all your daily nutritional needs.

ED CORNER

WBSCM Terms
Common Security Terminology

Activity: An action to perform in SAP that includes a transaction code and constraint(s). This is the most granular defined security element in WBSCM. Activities are mapped to Functional Jobs.

Constraint: A system limitation set through the Security Role function that will restrict user access to certain functionality (e.g. granting access to view specific purchase orders to an organization, but not all POs in the system).

Security Role: A logical grouping of activities (including transactions) in WBSCM to support a person's functional job. Roles are established through a security framework that controls WBSCM data and system access.

Transaction: An Action to be performed in SAP that as an associated transaction code (e.g. Transaction Code ME51 is associated with "Create a Purchase Requisition" transaction)

Functional Job: Represents a person's daily WBSCM responsibilities with associated WBSCM activities.

Organizational Job: Position within organization that has job description and job title attributes.

NEXT MONTH

We will continue to report on Build Phase progress and feature the Certification & Accreditation process for the WBSCM solution.

ASK US

We'd appreciate your thoughts and feed-back! Please email any WBSCM questions or suggestions you have to:

WBSCM@kcc.usda.gov

You can find more WBSCM information on the WBSCM Program Web site.