



MAC Quick Sheet

March 7, 2024

MAC Company and System Roles

MAC is a role based system. Functions are assigned to roles. There are two types of roles in MAC; company roles and system roles. Company roles are used to control record custody on sample life cycle, nonstandard JGS, Contractor Quality Control Plans, existing users, facility profiles, mix designs and nuclear density gauges. System roles do not restrict custody (such as by Financial Project Number or Managing District), but do restrict functions. Users with system roles can act on any MAC Entry that their roles allow them to see, but can only perform the functions associated to that role. Users can be assigned multiple roles at the same time; more than one company role, company roles in more than one company, more than one system role and a combination of company roles and system roles.

Table 1 – Company roles

Role	What it does	Who assigns
Data Entry	Creates samples, receives samples, enters test results; creates and updates non-standard JGS; creates and updates Contractor Quality Control Plans	DAC or MAC Support for new users, Company profile manager for existing users
Data Reviewer	Has all the functions of Data Entry plus reviews sample and test data for correctness and completeness before submitting the sample to FDOT for verification	DAC or MAC Support for new users, Company profile manager for existing users
Facility Profile Manager	Makes a user eligible to be selected as the company profile manager, production facility profile manager or laboratory profile manager (see below)	DAC or MAC Support for new users, Company profile manager for existing users
Company Profile Manager	Grants company access to other companies, Acknowledges granted acces to their company, Updates existing user roles, Removes existing users, adds and maintains company nuclear density gauges, Assigns users with Facility Profile Manager to company profiles, production facility profiles and laboratory profiles.	DAC or MAC Support for new users, Company profile manager for existing users
Production Facility Profile Manager	Maintains production facility profile information for the Production Facility Listing.	DACs or MAC Support, Company profile managers, existing production facility profile managers
Laboratory Facility Profile Manager	Maintains laboratory profile information for the Qualifief Laboratory Listing.	DACs or MAC Support, Company profile managers, existing laboratory profile managers
Mix Design Reviewer	Submits revisions to existing mix designs assigned to the company profile	DAC or MAC Support for new users, Company profile manager for existing users

Table 2 describes system roles that can be assigned by DACs or system administrators.

Table 2 – System Roles				
Role	What it does	Who it is for	Delegates	Who assigns
District Bituminous Engineer	Rolling Straightedge MAR issue resolutions	District Bituminous Engineer	Assistant District Bituminous Engineer	DAC
District Construction Engineer	MAR issue recommendations and resolutions	District Construction Engineer	1 per DCE as appointed by DOC	DAC
District Materials Research Engineer	MAR issue recommendations and resolutions; PMCLs	District Materials and Research Engineer	Assistant District Materials and Research Engineer	DAC
DMO Asphalt	Asphalt Mix Design review and plant assignments	Bituminous personnel who process mix designs	N/A	DAC
DMO Concrete	Concrete Mix Design review and plant assignments	Concrete personnel who process mix designs	N/A	DAC
FDOT Verifier	Finalizes program samples; builds program sample comparison package; creates asphalt random numbers	DMRO and SMO personnel	N/A	DAC or MAC Support
Mix Design Submitter	Creates new asphalt or concrete mix designs		N/A	MAC Support
Program Maintenance User (PMU)	Many functions for QCP, IA, LQP, MC Review	DMRO and SMO personnel involved in materials acceptance programs	N/A	DAC or MAC Support
Project Administrator	Finalizes project samples; builds project sample comparison package; process MAR issues	Project Administrator	Contract Specialist Lead Inspector¹ Asphalt VT or Resident Asphalt Specialist² Lead Earthwork VT³	DAC
Resident Engineer	Rolling Straightedge MAR issue resolutions	Resident Engineer Sr. Project Engineer (CCEI)	No	DAC

1. Not lead for each material, the lead inspector over all material inspectors. Do not assign to “lead concrete inspector”, “lead earthwork inspector”, etc. except for ERS PA delegate.

2. DMRE and DCE determine if PA’s delegate for asphalt can be assigned to the VT inspector, the Resident Asphalt Specialist or both.

3. Only one VT per ERS project can be assigned as the PA’s delegate. Only for ERS samples.

Table 3 describes system roles that should only be assigned by a system administrator.

Table 3 – Limited System Roles				
Role	What it does	Who it is for	Delegates	Who assigns
Application Support	CO OIT role for MAC programming	Only CO OIT personnel	N/A	CO OIT
Designer	Creates and revises test definitions, comparison definitions, checklists	SMO personnel	N/A	MAC Support
Director, Office of Construction	MAR issue recommendations and resolutions	Director, Office of Construction	State Construction Engineer or as appointed by DOC	MAC Support
Director, Office of Materials	PMCL signature	Director, Office of Materials	State Materials Engineer or as appointed by DOM	MAC Support
District Application Coordinator (DAC)	MAC Local Support	MAC Support personnel designated by the DMRE or SMO Lead Staff	N/A	MAC Support
Qualification Admin	Maintains CTQP data in MAC	State Construction Office Training Coordinator staff	No	MAC Support
Roadway Data Upload	Uploads asphalt Quality Control Roadway data into MAC	SMO Bituminous Technical Unit	N/A	MAC Support
SMO Asphalt	Manages asphalt mix design entries	SMO Bituminous personnel	N/A	MAC Support
SMO Concrete	Manages concrete mix design entries	SMO Physical Lab personnel	N/A	MAC Support
SMO Technical Unit	Manages MAC Specs	SMO personnel	N/A	MAC Support
System Admin	Manages MAC	SMO personnel	N/A	MAC Support