ADVANCE AUTHENTICATION – The CJIN-MDN Approach

NOVEMBER 15, 2012

OVERVIEW

- History of the CJIN-MDN
- CJIS Requirements
  - Password
  - Advanced Authentication

CJIN-MDN
Yesterday, Today and Tomorrow

- Proof of Concept
- eCitation
- XFILES
- FIPS 140-2 Encryption
- Radio Infrastructure End-of-Life
- Wi-Fi and Commercial Carrier Support
- Pending CJIS Requirements

CJIS CHANGES

- Password

- Advance Authentication (Two-Factor)
  - Something you know
  - Something you have

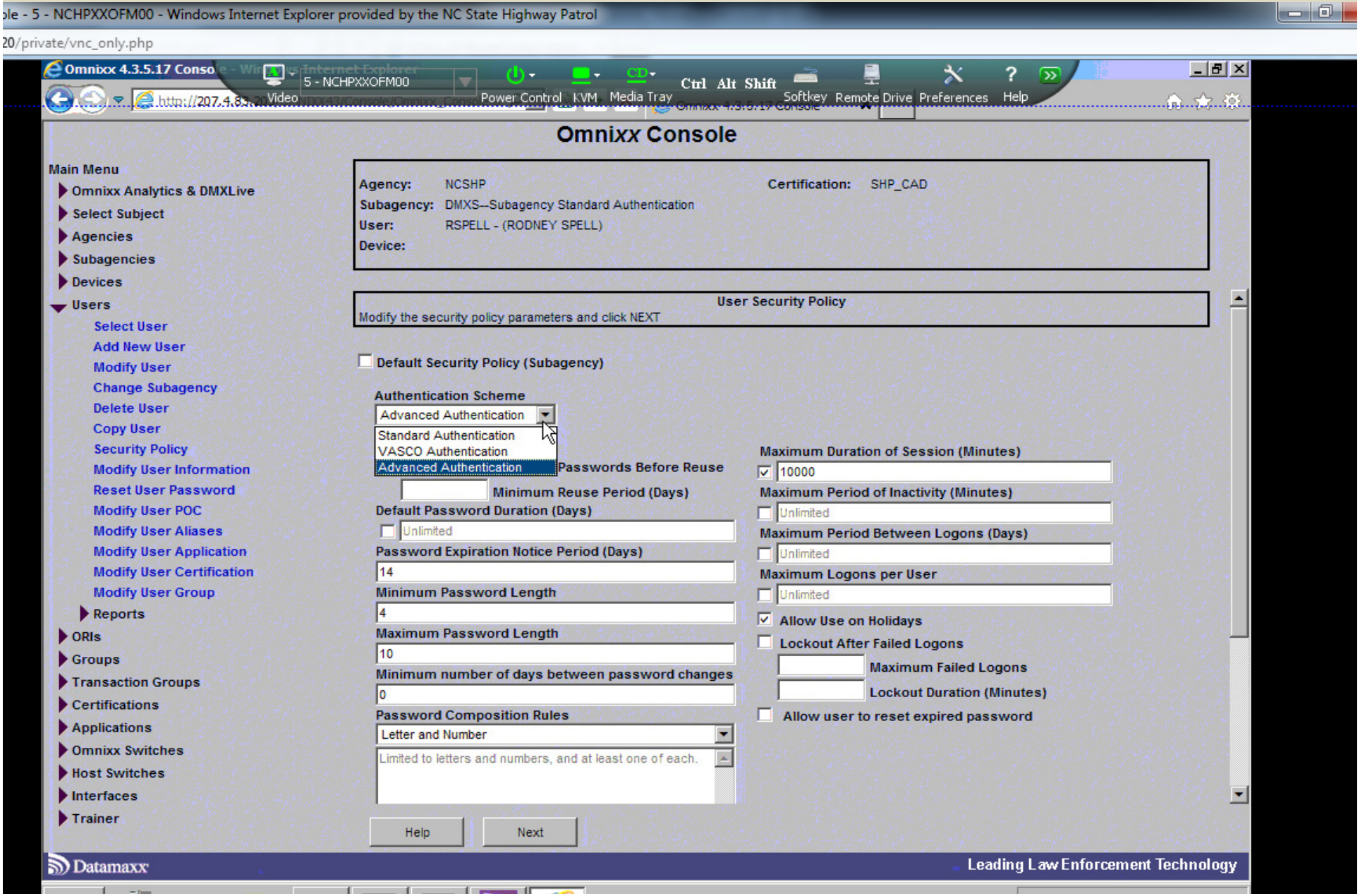
CJIN-MDN ENHANCEMENT

- Omnixx Enterprise Platform
  - Omnixx Force Client
    - Mobile Application
  - Omnixx Force Server
    - Management Console
- Combine to create a Risk-Based Advance Authentication.

RISK-BASED AUTHENTICATION

- Four step process
  - Administrative Setup
  - User Setup
  - User Login
  - Maintenance

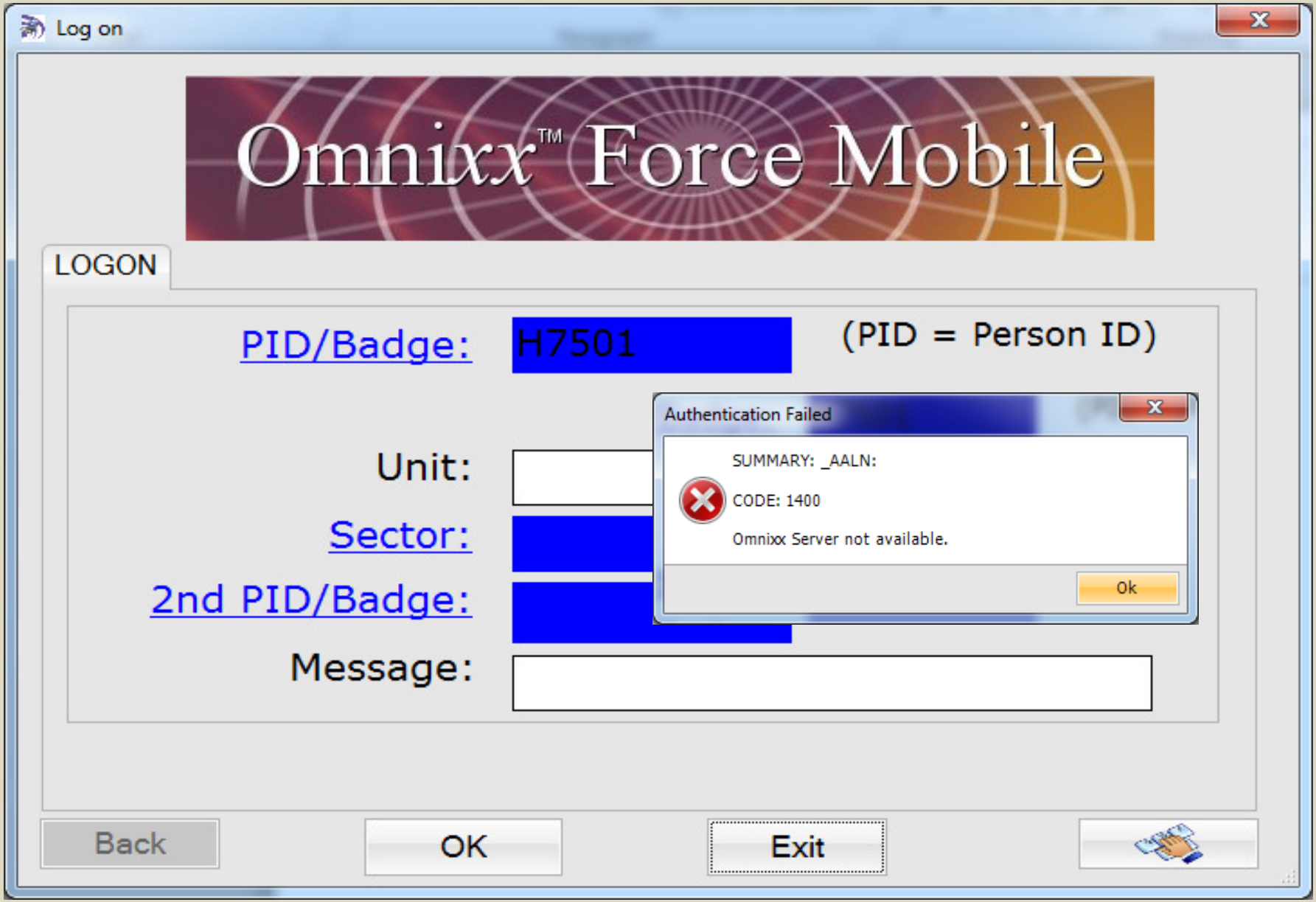
OMNIXX FORCE CONSOLE



USER SETUP

Log on
Omnixx™ Force Mobile
LOGON
PID/Badge:
(PID = Person ID)
Unit:
Sector:
2nd PID/Badge:
Message:
Back
OK
Exit

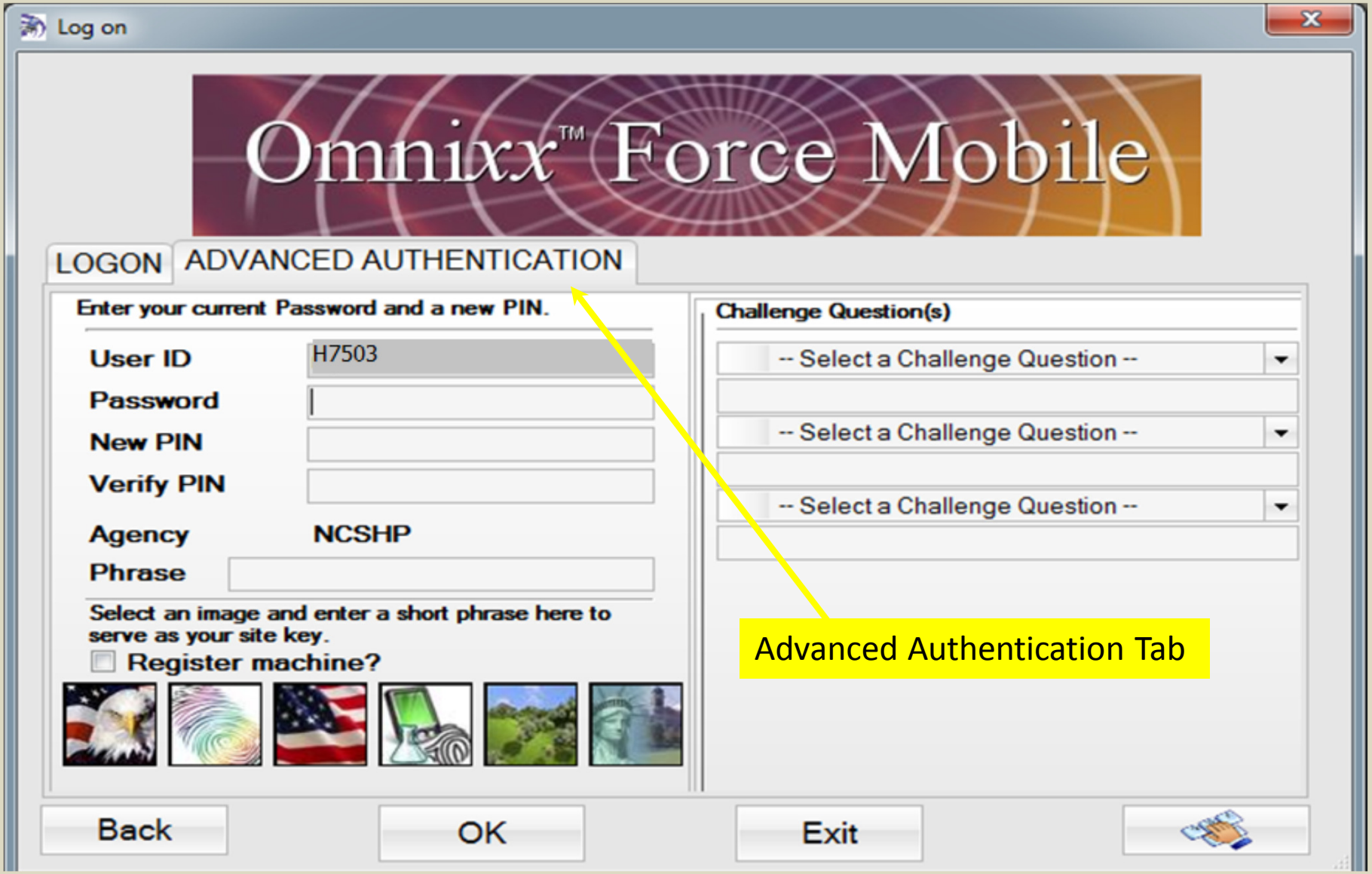
UNAUTHORIZED USER



USER SETUP

Log on
Omnixx™ Force Mobile
LOGON
ADVANCED AUTH
Enter your current Password and a
User ID
H7503
Password
New PIN
Verify PIN
Agency
NCSHP
Phrase
Select an image and enter a shor
serve as your site key.
Register machine?
User Info
Welcome to Omnixx.
You need to complete your security profile.
Please enter the following in order to continue.
-PIN
-Site Key Phrase
-Site Key Image
-Challenge Questions and Responses
Please note that your PIN is case sensitive.
OK
hallenge Question --
hallenge Question --
hallenge Question --
Back
OK
Exit

INITIAL LOGON



ADVANCED AUTHENTICATION

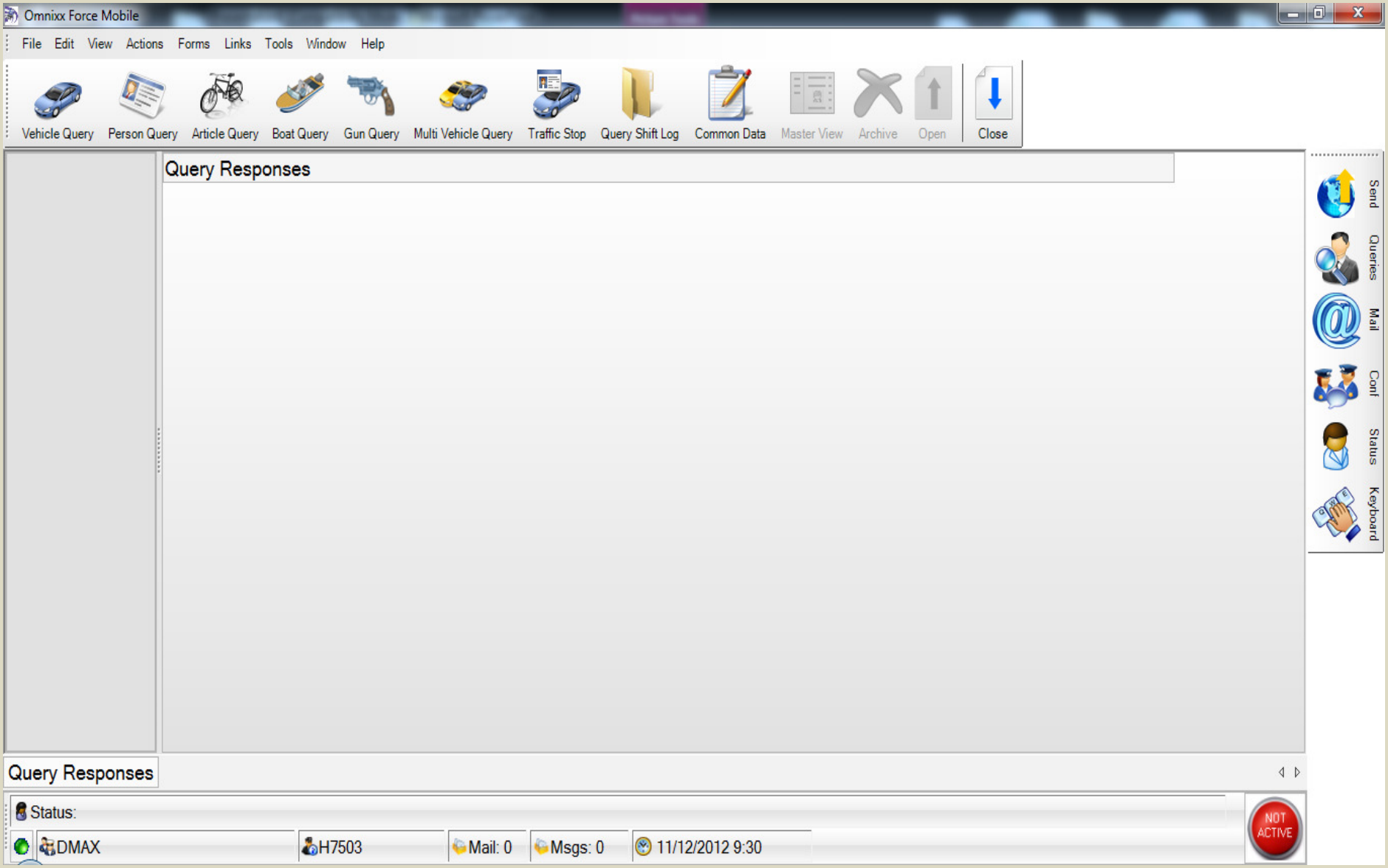
INVALID PASSWORD

INVALID PIN

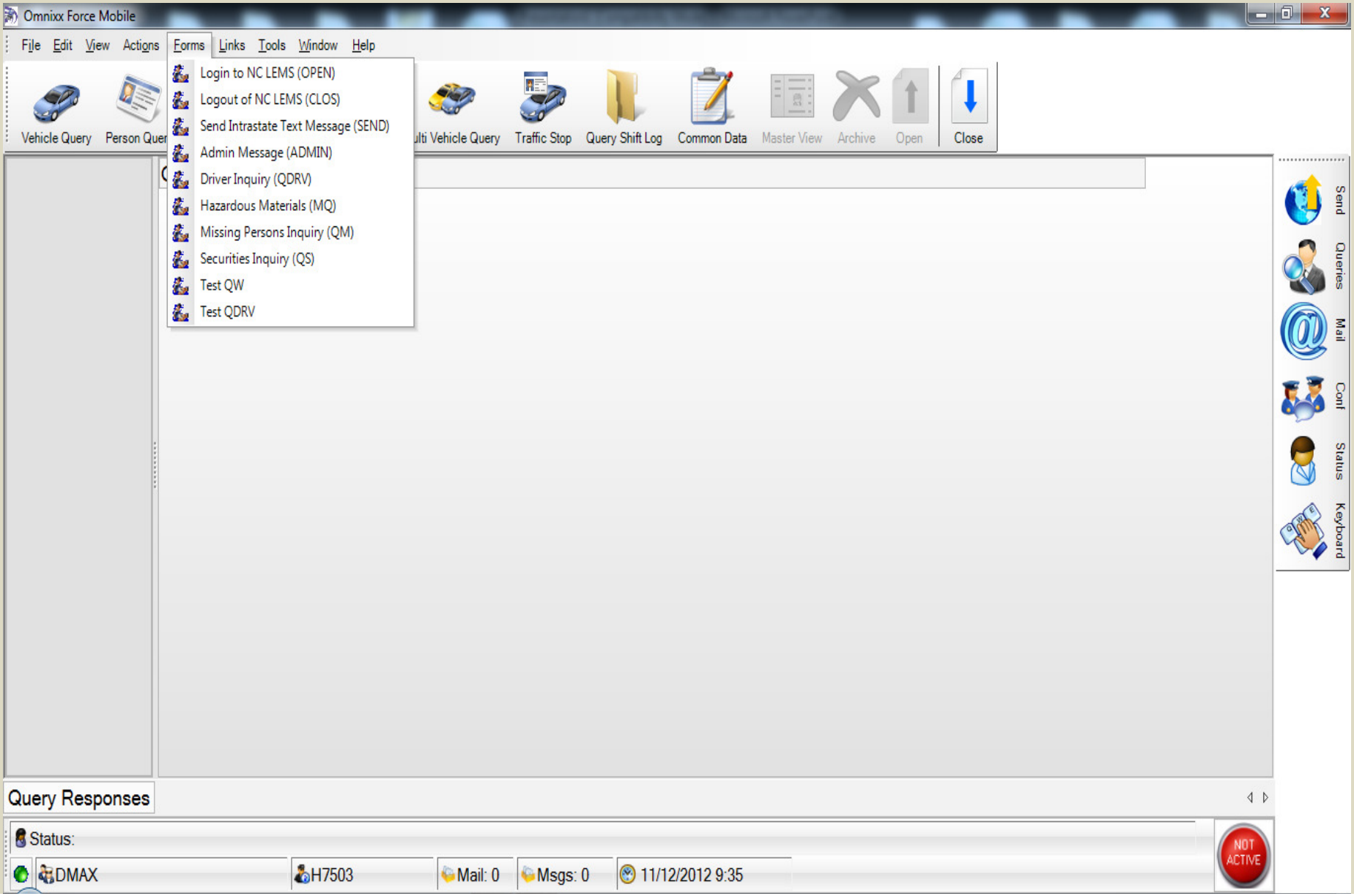
Log on
Omnixx™ Force Mobile
LOGON
ADVANCED AUTHENTICATION
Enter your current Password and PIN.
User ID: H7503
Password ******
PIN: ****
Agency: NCSHP
The site key image and phrase you created at signup are displayed below. If you recognize them, then it is safe to enter your credentials, otherwise, do not continue.
Register Machine?
Hello Rodney
Challenge Question(s)
In what city did you meet your spouse/significant other?
fayetteville
Authentication Failed
SUMMARY: _AAEXT:
CODE: 1428
Invalid PIN
Ok
Back
OK
Exit

INCORRECT CHALLENGE RESPONSE

SUCCESSFUL AUTHENTICATION



DCI LOGIN AND FORMS



Maintenance

- Users can change password , PIN, and modify answers to the challenge questions.
- All other functions, including resetting forgotten passwords are handled at the Administrative level.
- Omnixx Server will enforce a password policy for field length, expiration period and use of special characters.

Questions ?

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