**OBJECTIVE**

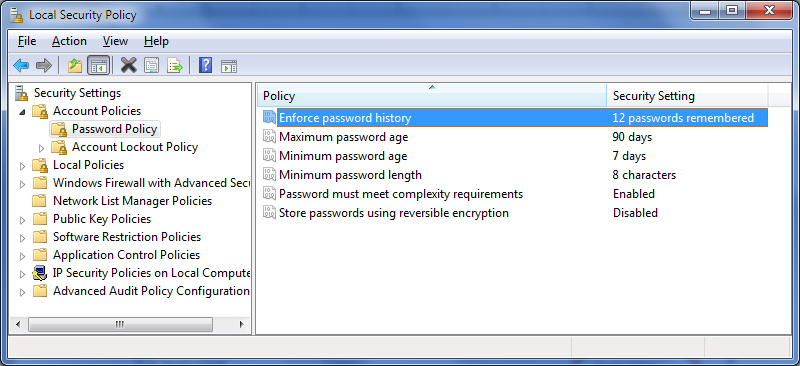
To confirm our understanding of the process and controls for authenticating users to the Accounts Payable System (APS) and determine if they are operating effectively.

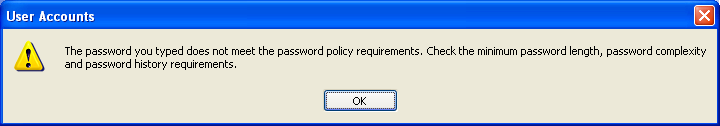
**PROCEDURES**

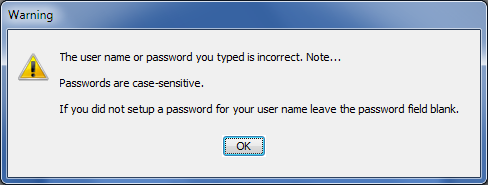
1. Inquire with the APS Administrator regarding the access path and related authentication mechanisms, and confirm our understanding as documented in the Narrative (**please see IT220**).
2. Obtain a copy of the password configurations, and ensure password:
   1. History (Number of Changes Before Password Reuse)
   2. Max Age (Required Change)
   3. Min Age (Complicating Multiple Changes Over Short Time Period)
   4. Min Length
   5. Complexity Required
3. Attempt to change the password to one that does not meet the password requirements and see if the system allows it or not.
4. Attempt to login with a bad username/password combination and see if the system allows it or not.
5. Observe an authorized user login to the application.

**RESULTS**

1. We inquired with the APS Administrator (John Doe), and confirmed that APS requires users to enter a login name and password to authenticate themselves to the application.
2. We obtained a copy of the APS Local Security Settings (please see screenshot below), and reviewed them noting that passwords:
   1. History is set to 12, meaning that passwords must be changed 12 times before they can be reused.
   2. Max age is set to 90, requiring passwords to be changed every 90 days.
   3. Min age is set to 7 days, meaning users must wait 7 days before they can re-change their password.
   4. Min length is set to 8, requiring passwords to have 8 or more characters.
   5. Password complexity is set to enabled, requiring new passwords to include at least one alpha, numeric, and special character.



1. Attempted to change a password with a password that did not meet the password standard, and received the following error message:
2. Attempted to login to APS using a bogus username and password, and received the following error message:



1. Observed the APS Administrator successfully login to APS using his username and password.

**CONCLUSION**

Based on the results of our walkthrough/test procedures, we have confirmed our understanding of the process and controls for authenticating users to the Accounts Payable System (APS) and determined they are operating effectively.