

# Module 7: Trapping Run-Time Errors

7

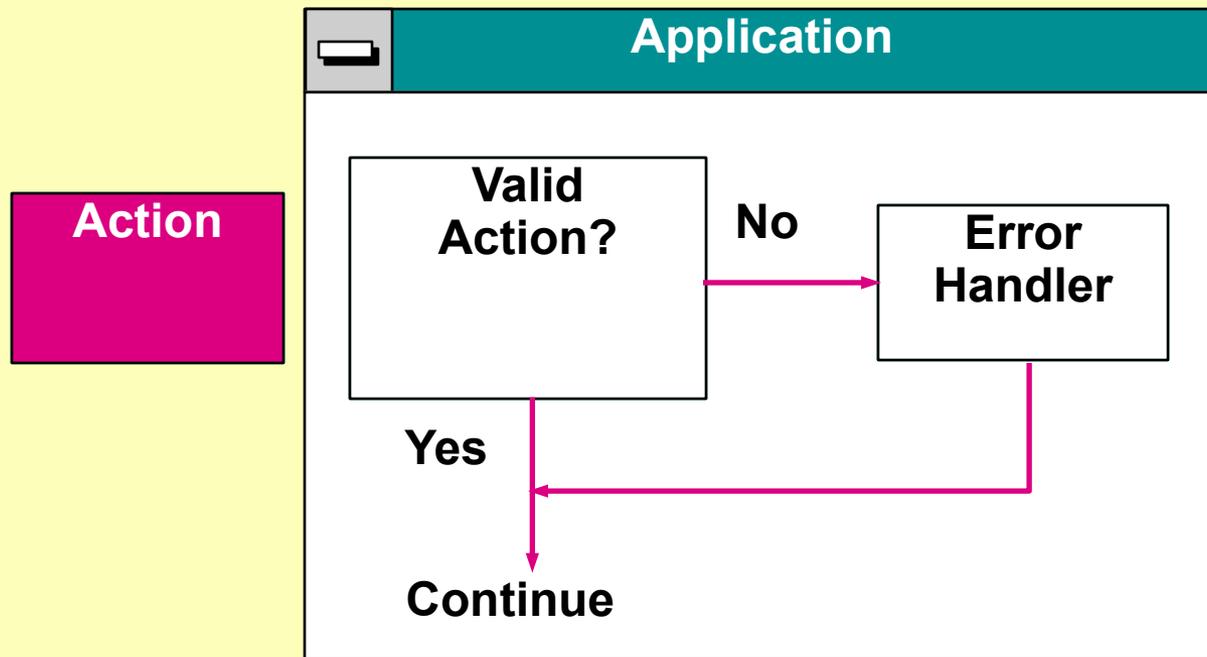
# Overview

**Where to Trap Errors**  
**Writing Error Handlers**

# Trapping Errors Using Error Handlers

## Error Handlers

Inform user of error actions  
Request corrective action  
Take corrective action



# Creating Error Handlers

**Enable the Error Trap**

**Write the Error-Handling Procedure**

**Exit the Error-Handling Procedure**

# Enabling the Error Trap

```
On Error GoTo ErrorTrap
    .
    .
Exit Sub
ErrorTrap:
    'Deal with error
End Sub
```

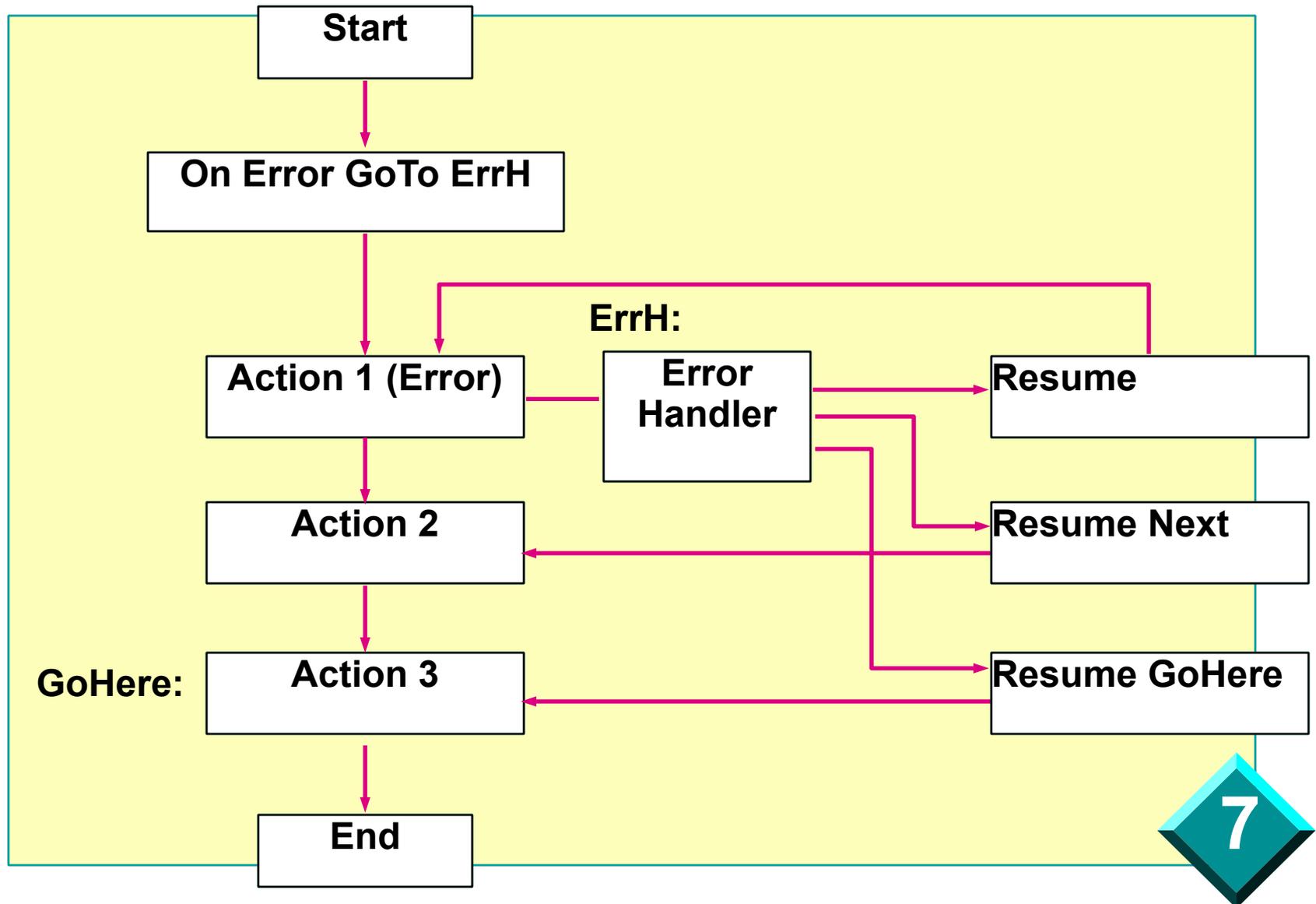
*Procedure*

# Writing the Error Handler

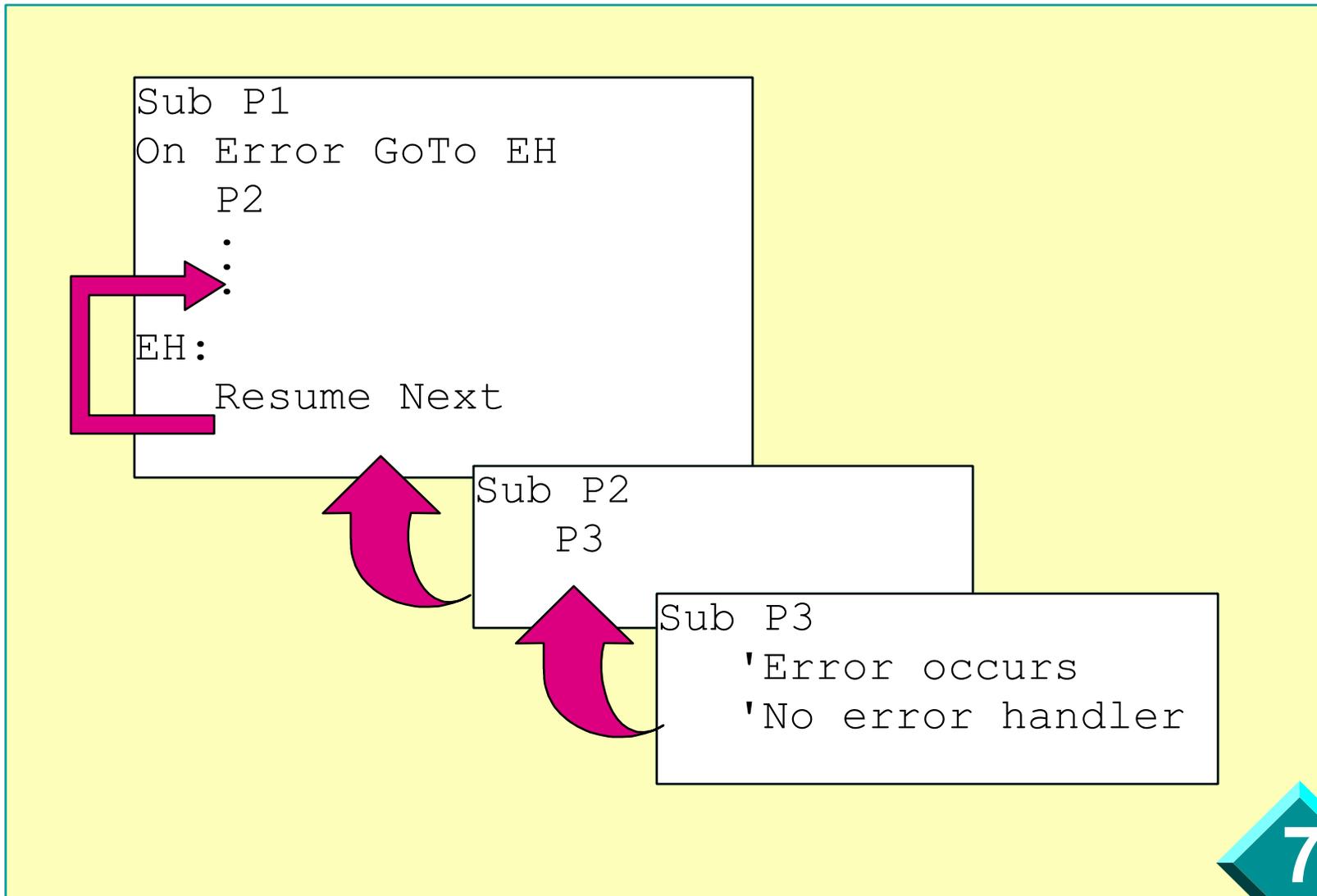
**Err - Error Number**

**Error\$ - Error Message**

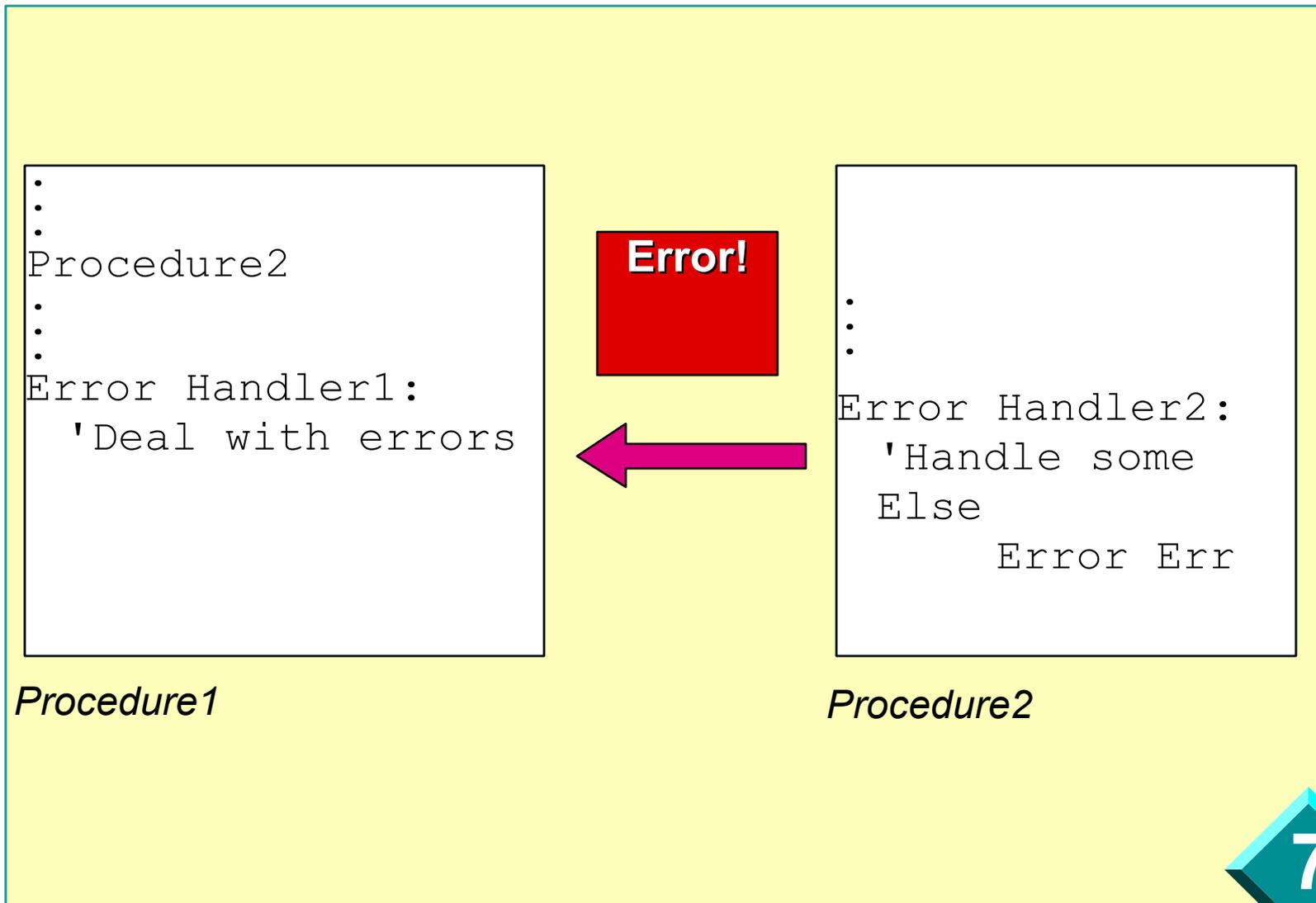
# Exiting the Error Handler



# Errors Automatically Passed to Calling Procedure



# Passing the Error to the Calling Procedure



# Generating An Error

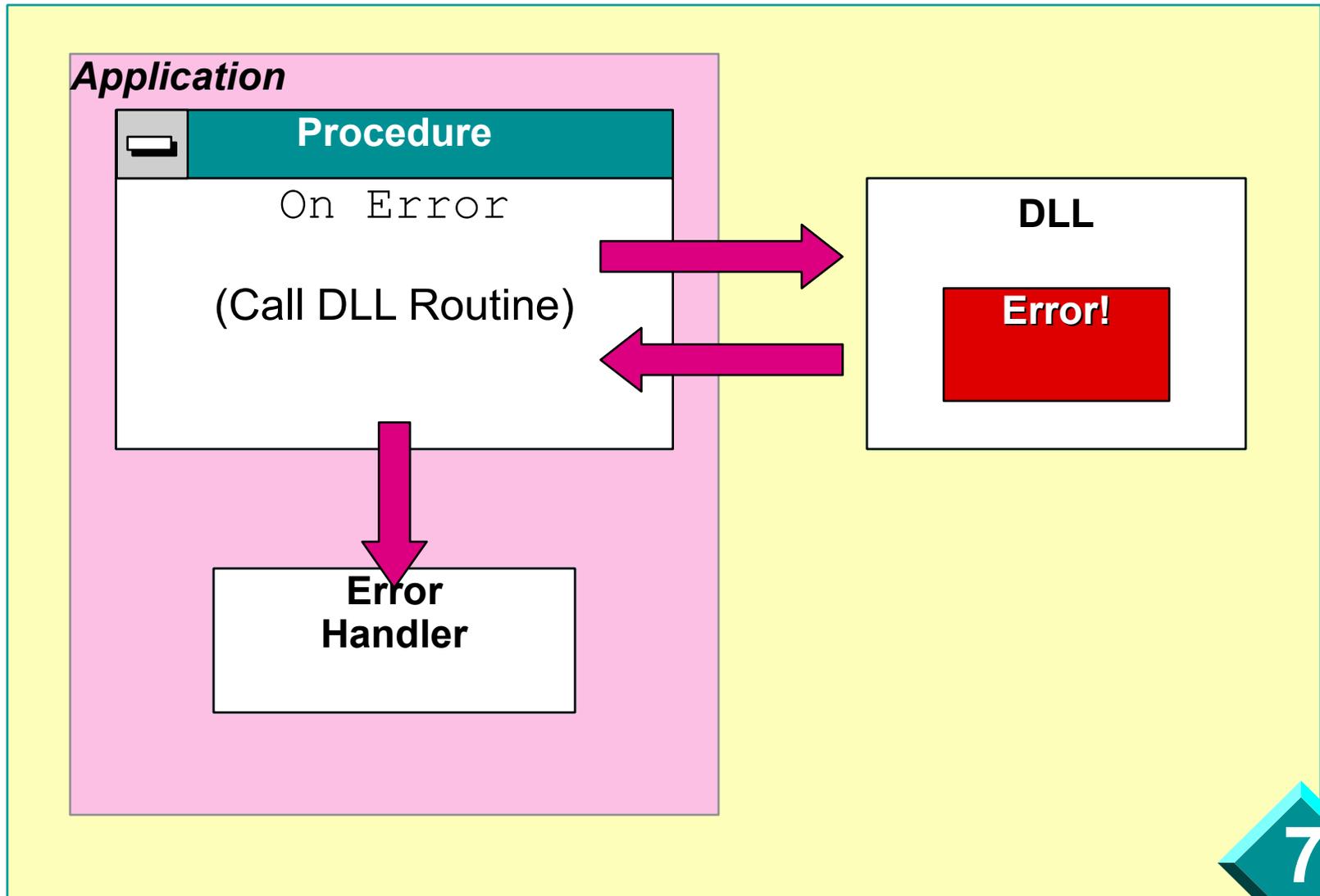
**Error** *number*

**Use Error Handling Mechanism For Your  
Purposes**

**Don't Duplicate Existing System Error Numbers**



# Trapping Errors in External Procedures



# Scope of Errors

**Error Cleared at End Sub or End Function**

**Error can be quashed within Sub or Function scope:**

**On Error GoTo 0** - Resets Error Mechanism

# Centralizing Error Handling

**Centralize the Error Handling**

**Consider Using Error Err**

**Include Last-Resort Error Handler**



# Summary

**Where to Trap Errors**  
**Writing Error Handlers**