The RPG OCL program `AP250.OCL36` is an Accounts Payable (A/P) Check Register process that handles check printing, journal updates, and file maintenance. Below is a detailed breakdown of the **process steps**, **external programs called**, and **tables/files used** as requested.

Process Steps

The OCL program follows a structured sequence of steps, primarily focused on generating an A/P check register, updating related files, and producing a cash disbursements journal. The steps are derived from the OCL code and are listed in execution order:

1. **Initialization**:

   - Calls the procedure `STRPCOCLP` to set up the processing environment.
   - Conditionally sets a local variable at offset 198 to indicate a wire transfer (`WT*** WIRE TRANSFER ***`) if parameter `?3?` is `/WT`, otherwise clears it.

2. **Check for Auto-Run and Workstation Lock**:

   - If parameter `?2?` is `/AUTO`, skips to the `AP250` tag to proceed with processing.
   - If the workstation is locked for check posting (`DATAF1-?9?APPO?WS?`), displays a warning message indicating that checks cannot be posted until printed via Option 11 of `APMENU`. The job pauses, allowing cancellation (press 0, Enter to cancel), and jumps to the `END` tag if cancelled.

3. **Prompt User to Continue or Cancel**:

   - Displays a message: `'A/P CHECK REGISTER, JOURNAL, AND UPDATE FILES'` and pauses, allowing the user to cancel (press ATTN, 2, Enter) or continue (press 0, Enter).

4. **File Preparation**:

   - Deletes the temporary file `APCD?WS?` if it exists.
   - Creates a new file `?9?APCD?WS?` with a sequential organization, 999,000 records, and a record length of 128 bytes.

5. **Main Check Register Processing (AP250)**:

   - Displays the message: `'CHECK REGISTER, UPDATE FILES EXECUTING'`.
   - Loads and runs the program `AP250` with multiple file assignments:
     - `APPYCK` → `?9?APPC?WS?`
     - `APPAY` → `?9?APPY?WS?`
     - `AP250S` → `?9?APPS?WS?`
     - `APPYTR` → `?9?APPT?WS?`
     - `APCONT`, `APVEND`, `APVEND2`, `APCHKR`, `APPYDS`, `APOPEN`, `APOPENH`, `APOPEND`, `APOPENV`, `APHISTH`, `APHISTD`, `APHISTV`, `FRCINH`, `FRCFBH` → Shared files with respective labels.
     - `APCDJR` → `?9?APCD?WS?` with an extension of 100 records.
     - `APDSMS` → Shared file.
   - Overrides printer files `APPNCF` and `APPRINT` to specific output queues (`QUSRSYS/PRTPNC`, `QUSRSYS/APPOST`, or `QUSRSYS/TESTOUTQ`) if `?9?` is `/G`.

6. **Update Commission Table (AP251)**:

   - Loads and runs the program `AP251` to update the commission table with payment data.
   - Uses files:
     - `APPAY` → `?9?APPY?WS?` (shared).
     - `APTORCY` → `?9?APTORCY` (shared).

7. **Sort Cash Disbursements Journal Data**:

   - Displays the message: `'CASH DISBURSMENTS JOURNAL EXECUTING'`.
   - Loads and runs the program `#GSORT` to sort the `APCD?WS?` file into `?9?APCS?WS?`.
   - Sorting parameters:
     - Sort key: 30 bytes ascending, starting at position 3.
     - Include records where position 1 is not equal to 'C' or 'D'.
     - Fields included in sort:
       - Company (positions 2–3)
       - C,D (position 12)
       - AP,CASH,DISC (positions 106–115)
       - G/L # (positions 13–20)
       - SEQ # (positions 97–105).

8. **Generate Cash Disbursements Journal (AP255)**:

   - Loads and runs the program `AP255` to process the sorted data.
   - Uses files:
     - `APCDJR` → `?9?APCD?WS?`
     - `AP255S` → `?9?APCS?WS?`
     - `APCONT` → Shared.
     - `TEMGEN` → Shared.
   - Overrides printer file `APPRINT` to output queues (`QUSRSYS/APPOST` or `QUSRSYS/TESTOUTQ`) if `?9?` is `/G`.

9. **Optional Wire Transfer Processing**:

   - Checks if the file `?9?APDT?WS?` has a non-zero record count (`/000000`).
   - If records exist:
     - Creates a new file `?9?APDT?WS?C` with indexed organization, 500 records, and a record length of 10 bytes.
     - Loads and runs `AP256A` with files:
       - `APDTWS` → `?9?APDT?WS?`
       - `APDTWSC` → `?9?APDT?WS?C` (retained as temporary, 50 records).
       - `APVNFMX` → Shared.
     - Loads and runs `AP256` with files:
       - `APDTWS` → `?9?APDT?WS?`
       - `APDTWSC` → `?9?APDT?WS?C` (shared).
       - `APVEND`, `APCONT`, `APVNFMX` → Shared.
     - Overrides printer files `REPORT1`, `REPORT2`, `REPORT3`, `REPORT4` to output queues (`QUSRSYS/APACHOUTQ` or `QUSRSYS/TESTOUTQ`) if `?9?` is `/G`.

10. **Cleanup**:

    o Deletes temporary files: `APPT?WS?`, `APPY?WS?`, `APPS?WS?`, `APPC?WS?`, `APDS?WS?`, `APPO?WS?`, `APCD?WS?`, `APCS?WS?`, `APDT?WS?`, `APDT?WS?C`.

    o If in auto mode (`?2?` is `/AUTO`), clears all local variables.

11. **End Processing**:

    o Jumps to the `END` tag to terminate the job.

External Programs Called

The OCL program invokes the following external programs:

1. **STRPCOCLP**: Initializes the processing environment (likely a system or custom procedure).
2. **AP250**: Main program for generating the A/P check register and updating files.
3. **AP251**: Updates the commission table with payment data.
4. **#GSORT**: Sorts the cash disbursements journal data.
5. **AP255**: Generates the cash disbursements journal.
6. **AP256A**: Processes wire transfer data (first phase).
7. **AP256**: Processes wire transfer data (second phase).

Tables/Files Used

The program interacts with multiple files, some temporary (workstation-specific) and others permanent (shared). The files are listed below with their logical names, labels, and usage context:

Logical Name	Label	Usage	Disposition
APPYCK	?9?APPC?WS?	Check-related data (temporary).	Exclusive
APPAY	?9?APPY?WS?	Payment data (temporary, used in AP250 and AP251).	Exclusive
AP250S	?9?APPS?WS?	Supporting data for AP250 (temporary).	Exclusive
APPYTR	?9?APPT?WS?	Transaction data (temporary).	Exclusive
APCONT	?9?APCONT	A/P control file (used in AP250, AP255, AP256).	Shared
APVEND	?9?APVEND	Vendor master file (used in AP250, AP256).	Shared
APVEND2	?9?APVEND	Secondary vendor file (used in AP250).	Shared
APCHKR	?9?APCHKR	Check register file (used in AP250).	Shared
APPYDS	?9?APDS?WS?	Payment distribution file (temporary, shared in AP250).	Shared

Logical Name	Label	Usage	Disposition
APOPEN	?9?APOPEN	Open A/P file (used in AP250).	Shared
APOPENH	?9?APOPNH	Open A/P header file (used in AP250).	Shared
APOPEND	?9?APOPND	Open A/P detail file (used in AP250).	Shared
APOPENV	?9?APOPNV	Open A/P vendor file (used in AP250).	Shared
APHISTH	?9?APHSTH	A/P history header file (used in AP250).	Shared
APHISTD	?9?APHSTD	A/P history detail file (used in AP250).	Shared
APHISTV	?9?APHSTV	A/P history vendor file (used in AP250).	Shared
FRCINH	?9?FRCINH	Financial control invoice header (used in AP250).	Shared
FRCFBH	?9?FRCFBH	Financial control freight bill header (used in AP250).	Shared
APCDJR	?9?APCD?WS?	Cash disbursements journal file (temporary, used in AP250, AP255).	Exclusive
APDSMS	?9?APDSMS	Distribution master file (used in AP250).	Shared
APTORCY	?9?APTORCY	Commission table file (used in AP251).	Shared
AP255S	?9?APCS?WS?	Sorted cash disbursements data (temporary, used in AP255).	Exclusive
TEMGEN	?9?TEMGEN	Temporary general ledger file (used in AP255).	Shared
APDTWS	?9?APDT?WS?	Wire transfer data (temporary, used in AP256A, AP256).	Exclusive
APDTWSC	?9?APDT?WS?C	Wire transfer control data (temporary, used in AP256A, AP256).	Exclusive/Shared
APVNFMX	?9?APVNFMX	Vendor file matrix (used in AP256A, AP256).	Shared

Notes

- **Temporary Files**: Files with `?WS?` in their labels are workstation-specific and deleted at the end of the job.
- **Shared Files**: Permanent files (e.g., `APCONT`, `APVEND`) are accessed in shared mode, indicating they are used across multiple processes.
- **Printer Overrides**: The program conditionally redirects output to different queues based on the `?9?` parameter (`/G` for production, otherwise test queues).
- **Wire Transfer Processing**: The `AP256A` and `AP256` steps are conditional, only executed if wire transfer data exists in `?9?APDT?WS?`.

This summary provides a comprehensive overview of the `AP250.OCL36` program's functionality, external dependencies, and data interactions. Let me know if you need further clarification or analysis!