

Local Data Area View Description

In the following table, all fields are listed and described in the order in which they appear in the local data area L-NMHIST. The actual file listing follows the table.

The letter D in the DE column indicates that the field is a descriptor. A format indicator followed by a numeric field length is found in the Format/Length column. Possible format indicators include A (alphanumeric), B (binary), and N numeric.

| Lvl/Field | DE | Format/Length | Description |
|---------------------------|----|---------------|--|
| 1 REVIEW-NM-FILE-VIEW | | | View name to be used when reading the Natural Monitor repository file. |
| 2 CONTROL-FIELDS | | | History record control fields group name. |
| 3 NM-SUBSYSTEM | | A2 | Natural Monitor subsystem type. Response time subsystem history records have a NM-SUBSYSTEM value of RT. |
| 3 NM-DATE-MAILED | | N8.0 | For RT subsystem history reports this field contains the date (in YYYYMMDD format) that the record was saved. |
| 3 NM-TIME-MAILED | | N6.0 | For RT subsystem history reports this field contains the time (in HHMMSS 24-hour format) that the record was saved. |
| 3 NM-DATE-COMPLEMENT | | N8.0 | For RT subsystem history reports this field contains the twos-complement of the date that the record was saved. |
| 3 NM-TIME-COMPLEMENT | | N6.0 | For RT subsystem history reports this field contains the twos-complement of the time that the record was saved. |
| 3 NM-SORT-FLD | | A32 | For RT subsystem history reports this field contains the report name for which the record was saved. |
| 3 NM-SEQ | | B2 | For RT subsystem history reports this field contains the record sequence number for the record that was written. A value of 1 in this field denotes that the record is a response time interval record (corresponding to the VW and VH display). A value greater than 1 in this field denotes the record sequence number for detailed records. |
| 2 NM-RECORD-TYPE | | B4 | This field is not currently used. |
| 2 RESPONSE-TIME-SUBSYSTEM | | | Response time subsystem fields group name. |

The following fields refer to response time subsystem report definitions (ER (edit report) command):

| Lvl/Field | DE | Format/ Length | Description |
|------------------------------|-----------|---------------------------|--|
| 3 RT-REPORT-NAME | | A32 | Report name. |
| 3 RT-DEF-INTERVAL | | B2 | Graphing interval parameter. |
| 3 RT-DEF-THRESHOLD | | B2 | Response time threshold at which a detail record is to be created. |
| 3 RT-DEF-MAX-DETAIL | | B2 | Number of detail records to be retained. |
| 3 RT-DEF-WRAP-OPTION | | A4 | Detail record wrapping option. |
| 3 RT-DEF-TS-OPTION | | A4 | Transaction summary record option. |
| 3 RT-DEF-AUTOSTART | | A1 | Autostart indicator. |
| 3 RT-DEF-HISTORY-INTERVAL | | N3.0 | History interval (in minutes). |
| 3 RT-DEF-USERID | | A8 | User ID selection criterion. |
| 3 RT-DEF-PGMNAME | | A8 | TP transaction program name selection criterion. |
| 3 RT-DEF-NATAPPL | | A8 | Natural application selection criterion. |
| 3 RT-DEF-NATPGM | | A8 | Natural program selection criterion. |
| 3 RT-DEF-HISTORY-REFRESH | | A1 | History refresh indicator. |

The following fields refer to response time subsystem interval data historical records (VW and VH (view and view horizontal) commands):

| Lvl/Field | DE | Format/ Length | Description |
|-----------------------|----|-------------------|--|
| 3 RT-VW-START-DATE | | A8 | Start date for interval data historical record (for DATE=OLD in YY/MM/DD format; for DATE=NEW in YYYYMMDD format). |
| 3 RT-VW-START-TIME | | A8 | Start time for interval data historical record (in HH:MM:SS 24-hour format). |
| 3 RT-VW-THRESHOLD | | B4 | Interval threshold specified. |
| 2 RT-VW-DATA | | | Periodic group for interval data historical record. |
| 3 RT-VW-INTERVAL | | B4(1:11) | MU containing the intervals for which the interval data historical record was created. |
| 3 RT-VW-TRANS | | B4(1:11) | MU containing the number of transactions for each interval. |
| 3 RT-VW-ACALLS | | B4(1:11) | MU containing the number of database calls for each interval. |

The following fields refer to response time subsystem detailed transaction historical records (VD (view detail) command):

| Lvl/Field | DE | Format/ Length | Description |
|-------------------------------|----|-------------------|---|
| 2 RT-VD-USERID | | A8 | TP system user ID. |
| 2 RT-VD-TERMINAL-NAME | | A8 | TP system terminal name for RT subsystem historical detailed record. |
| 2 RT-VD-NATURAL-UID | | A8 | Natural user ID (*USER). |
| 2 RT-VD-PROGRAM | | A8 | TP system transaction program name. |
| 2 RT-VD-TRANS-ENDTIME | | A8 | The transaction end time (in HH:MM:SS 24-hour format). |
| 2 RT-VD-TRANS-NUMBER | | B4 | The TP system transaction number. |
| 2 RT-VD-ADABAS-CALLS | | B4 | The total number of database calls issued. |
| 2 RT-VD-ADABAS-CALLS-TR | | B4 | The total number of database calls issued for which Natural Monitor has been able to calculate a database elapsed time. |
| 2 RT-VD-TOTAL-ELAPSE-TIME | | B4 | The total database elapse time (in milliseconds) for all database calls issued. |
| 2 RT-VD-TOTAL-COMMAND-TIME | | B4 | The total database command time (in units of 16 microseconds) for all database calls issued. |
| 2 RT-VD-RSP-TIME | | B4 | The response time (in milliseconds). |
| 2 RT-VD-CPU-TIME | | B4 | This field is not currently used. |

| Lvl/Field | DE | Format/ Length | Description |
|-------------------------------|-----------|---------------------------|---|
| 2 RT-VD-HIGH-CMD | | A2 | The database command issued by the Natural program that had the highest database command time. |
| 2 RT-VD-HIGH-DBID | | B2 | The database ID accessed by the Natural program that had the highest database command time. |
| 2 RT-VD-HIGH-FNR | | B2 | The database FNR accessed by the Natural program that had the highest database command time. |
| 2 RT-VD-HIGH-STMT | | B3 | The Natural statement number that generated the database command within the Natural program that had the highest database command time. |
| 2 RT-VD-HIGH-LEVEL | | B1 | The Natural call level of the Natural program that had the highest database command time. |
| 2 RT-VD-THREAD-NUMBER | | B1 | The Natural thread number that was used by the Natural transaction. |
| 2 RT-VD-HIGH-ADABAS-CALLS | | B4 | The total number of database calls issued by the Natural program that had the highest database command time |
| 2 RT-VD-HIGH-NATURAL-LOADS | | B4 | The total number times the Natural program that had the highest database command time was loaded. |
| 2 RT-VD-HIGH-ELAPSE-TIME | | B4 | The database elapsed time for the Natural program that had the highest database command time. |
| 2 RT-VD-HIGH-COMMAND-TIME | | B4 | The database command time for the Natural program that had the highest database command time. |

The following fields are superdescriptors used to read the Natural Monitor repository file:

| Lvl/Field | DE | Format/ Length | Description |
|------------------|-----------|---------------------------|---|
| 2 NM-KEY | D | A50 | Primary search key superdescriptor for reading the Natural Monitor repository file. |
| 2 NM-KEY-2S | D | A50 | Secondary twos-complement search key superdescriptor for reading the Natural Monitor repository file. |
| 2 NM-KEY1 | D | A48 | Internal use search key superdescriptor for reading the Natural Monitor repository file. |
| 2 NM-KEY1-2S | D | A48 | Internal use search key superdescriptor for reading the Natural Monitor repository file. |
| 2 NM-KEY2-2S | D | A16 | Internal use search key superdescriptor for reading the Natural Monitor repository file. |