

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.