

2000 SIGIMAGE Enhancement Ballot: Final RESULTS

As of September 2000: SIGIMAGE – HP World - Philly

The “Top 20” items on the 2000 SIGIMAGE Ballot were sent forward to the Interex 2000 System Improvement Ballot (SIB). Only those 20 items have results in the SIB column. There were a total of 60 items on the SIB.

'00 #	SIB ID	Enhancement Summary	Item votes	Item rank	Interex SIB “Top 20” Votes - rank
General Enhancements to TurboIMAGE:					
01	97101	IMAGE multi-record / multi-set DBGET, DBPUT, & DBUDPATE (process entire blocks of data instead of just individual records):	22	16	825 – 09
02	97102	New IMAGE GETUPDATE intrinsic, to retrieve/update record(s) in one call without prior DBGET (saves overhead, plus simplifies coding if just want to change data regardless of current value):	29	11	913 – 08
03	97103	Concurrent IMAGE read-only DBLOCK mode (repeatable read). Allow multiple reads, but force all DBLOCKS for WRITE access to be treated serially while READ lock was in effect:	40	5	521 – 17
04	97104	DBUTIL: Non-destructive creator access across groups:	35	8	668 – 14
05	97105	DBUTIL ignore file equations (can't use / do not apply anyway):	30	10	250 – 32
06	97106	Make DBSCHEMA fully SQL-aware:	18	21	
07	97107	DBSCHEMA ability to specify all DBUTIL flags/settings (has not “kept up” with many recent changes to DBUTIL):	24	13	557 – 16
08	98108	DBSCHEMA: Allow Masters to be declared after Details:	8	32	
09	98109	DBSCHEMA option: Allow symbolic expressions for capacity:	9	30	
10	98110	DBSCHEMA option: Optionally auto calculate PATH count:	12	26	
11	99111	DBSCHEMA: Flag ALLBASE reserved words with WARNING (no restrictions now). Would catch conflicts up-front, instead of only later if IMAGE database is ATTACHED to a DBE:	17	22	
12	97112	IMAGE DCE compatibility (Security, directory services, etc):	6	37	
13	97113	Better DBUPDATE performance for IMAGE Sort Fields with CIUPDATE (compare new value to old, then search for new position in the “right” direction, instead of start at end of chain):	39	6	450 – 19
14	97114	Global file FOPEN (system-wide “handle” for a file), to improve performance and avoid single-process max # of open files limit (several sites are already hitting this limit). IMAGE & other PM processes could then access the file via file system intrinsics:	48	2	275 – 30
15	97115	Option to set max IMAGE chain lengths, with unique key option:	52	1	482 – 18
16	97116	Measurement Interface (MI) for IMAGE performance data. Analogous to the MPE MI and GLANCE. Note at least one “non-MI” 3 rd -party performance tool is available now:	39	6	763 – 10
17	98117	Allow >16 paths in a DETAIL dataset (>16 in Master “Soon”):	15	23	
18	99118	Ability to pass DBOPEN to son process, if IMAGE database is in a stable state (avoid unnecessary duplicate DBOPENS):	24	13	284 – 29
19	00119	IMAGE Linear Fast MASTER Dataset Expansion / “Inflation”:	12	26	

'00 #	SIB ID	2000 SIGIMAGE Enhancement Ballot: <u>FINAL RESULTS</u> Enhancement Summary	Item votes	Item rank	Interex SIB "Top 20" votes – rank
20	00I20	Drop need for IMAGE BlockLength to be a multiple of 256B (save space):	20	18	204 – 33
21	00I21	Allow IMAGE databases under HFS directories (but retain six-character limit on database name):	20	18	269 – 31
22	00I22	Provide external documentation for DBQUIESCE intrinsic used by TURBOSTORE, including appropriate end-user cautions:	21	17	109 – 44
23	00I23	Make IMAGE thread aware / thread safe.	44	3	435 – 20
		Enhancements to IMAGE QUERY:			
24	97I24	Provide a MULTIFIND update / delete function in IMAGE QUERY (currently read-only for multiple records):	11	28	
25	97I25	Ability to access DBCONTROL and DBINFO in QUERY (to get info on and control new features like TPI, DDX, and B-Trees):	8	32	
26	97I26	Data integrity: Support IMAGE dynamic transactions in QUERY (DBBEGIN / DBEND and DBXBEGIN / DBXEND):	9	30	
27	98I27	QUERY FIND, MULTIFIND, & SUBSET display running count of records retrieved and / or percent complete, without <CTRL-Y>:	19	20	940 – 07
28	99I28	UNconditional QUERY IMAGE lock option (just conditional lock now). Would avoid "do you wish to wait" question, and queue QUERY locks with compatible locks by other apps:	7	34	
29	00I29	Add features from old "Advanced QUERY" (AQ) to QUERY:	10	29	
		The "IMAGE ENCHILADA" Group:			
30	97I30	Allow default values for FIELDS not specified at DBPUT time, with equivalent to SQL/Server "AUTOINCREMENT" feature:	24	13	405 – 22
31	97I31	Allow tracking files to be associated with an IMAGE database (all associated files; such as schemas, 3rd-party indexes, etc.):	41	4	189 – 36
32	97I32	Tool "memory area" associated with a database (allow logging of tool-specific IMAGE data on structural problems, etc.):	14	24	
33	97I33	Provide Date / Time and other new datatypes or "attributes" in IMAGE:	27	12	756 – 12
34	97I34	IMAGE Support for Binary Large Objects (BLOBS) / BLOB Pointers (store large BLOBs externally; small BLOBs ??):	31	9	590 – 15
35	98I35	Allow positive data in PACKED / ZONED decimal Items to be defined in IMAGE as UNSIGNED (P/Z) or SIGNED (P+/Z+):	5	38	
36	99I36	Tag to associate COBOL picture info with an IMAGE data item:	3	40	
37	99I37	Tag(s) to record internal IMAGE errors, to reduce repair time:	7	34	
38	99I38	LOCL tag, to allow DBAs to add local IMAGE ENCHILADA info:	7	34	
39	99I39	Tags for one or more aliases / views for IMAGE items, fields, & sets; without needing to use an Allbase DBE for that capability:	5	38	
40	99I40	Tag for IMAGE "Linked Procedures", (might allow approximation of Stored Procedures, if DBUTIL was enhanced to ENABLE):	14	24	