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SUBJECT: Architecturally fixed
          object numbers.

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File: fixedobj.jonas

After publishing the first memo regarding reserved group zero
logical objects, we received a request to fix an object number
for the Group 0 ODT itself. Fixing the Group 0 ODT is important
for system performance. We have decided to use group zero
logical object 6 for the ODT. The trap and interrupt handlers,
then, move down one to group zero logical objects 7 through 11.
The following page shows a tabularization of the currently
reserved group zero objects.

Reserved objects:

la	va	name	type	use	allocation
0.1.0	1_0	SYSCOM	DATA	h/w & s/w communication	1 page minimum on system startup
0.2.0	2_0	SOFTWARE	DATA	s/w communication	1 page on system startup
0.3.0	3_0	PDIR	DATA	the page table	size based on physical memory size allocated on system startup
0.4.0	4_0	HASH	DATA	the hash table	size based on physical memory size allocated on system startup
0.5.0	5_0	PME	DATA	the object into which the PME is loaded	size is remainder of physical memory allocated on system startup
0.6.0		ODTO	DATA	the group zero ODT	in PME on system startup
0.7.0		ININ	NMCODE	traps and internal interrupt handlers other than those broken out below	in PME on system startup
0.8.0		CHANINT	NMCODE	channel interrupt handler	in PME on system startup
0.9.0		PROCINT	NMCODE	processor interrupt handler	in PME on system startup
0.10.0		SWITCHTRAP	NMCODE	switch trap handlers	in PME on system startup
0.11.0		PFAIL	NMCODE	power fail and recovery handlers	in PME on system startup