



**HP 3000 MPE/iX Support  
Beyond December 31, 2010**

As the HP end of support date for the HP 3000 rapidly approaches, Allegro stands ready to provide excellent on-going support of your MPE/iX operating system and selected applications. Allegro holds a license from HP for the MPE/iX source code which gives our software specialists visibility into the operating system kernel and allows Allegro the ability to develop custom binary patches as needed. In addition, Allegro has relationships with many HP 3000 hardware service providers throughout the US and Canada. Allegro can have a HP 3000 independent service organization provide you with a competitive quote based on your system's physical location(s).

Hewlett-Packard may have decided almost ten years ago that it's time for the HP 3000 and its MPE/iX operating system to go away, but there are still many customers who don't agree with that decision and who continue to run their core business processes on these legendary systems.

Allegro supports these customers with support services and products to ensure that they can continue to do so as long as they need or want to. As long as there are people with these systems, we'll be here to help them.

Allegro has been involved with the MPE/iX (and before that MPE/XL and MPE) operating system since the beginning.

We've written parts of the operating system and its hugely popular TurboIMAGE database management system for HP, and taught operating system internals training classes to HP employees from Cupertino to Bangalore. We developed a certification program for HP for MPE/iX operating system internals experts.

We developed the world-class SPLash! native mode SPL language compiler used by HP and many 3rd party software developers.

In addition to end-user support and products, we also offer services to the larger HP 3000 community through support and development of 3rd party MPE/iX products. We've also acquired tools like NFS/iX and SAFE/3000 to ensure that their customers can count on there being someone to help them going forward.

Our people are active in the user community as well, winning numerous awards for presentations and contributions to international users groups.

## THE ALLEGRO DIFFERENCE

Vendor B=Other MPE/iX HP source code license holders

Vendor C=Typical Independent Hardware Support provider also providing "limited" MPE/iX support

?=Do not know

Category	Product or Service	Allegro	Vendor B	Vendor C
MPE/iX Support				
	Handle basic MPE/iX questions	Yes	Yes	Yes
	Licensed by HP for access to the MPE/iX Source Code	Yes	Yes	No
	Ability to develop patches based on visibility into Source Code	Yes	?	No
	Have found deep rooted bugs and provided detailed information to HP on how to fix them	Yes	?	?
	Understanding of how to recover damaged files to the "bits & bytes" level	Yes	?	?
	HP3000-L and comp.sys.hp.mpe regular solutions contributors	Yes	Yes	?
	Has taught MPE Internals training to HP's own engineers	Yes	No	No
	Developed portions of MPE and IMAGE under contract to HP	Yes	No	No
	Wrote the book on "MPE/iX certification" for use by HP	Yes	No	No
	Wrote a PA-RISC compiler: SPLash!	Yes	No	No
	Wrote the book on "PA-RISC": Beyond Risk by Steven M Cooper, et al.	Yes	No	No

Category	Product or Service	Allegro	Vendor B	Vendor C
HP 3000 Products: Sales/Support				
	BFree	Yes	No	No
	HourGlass	Yes	No	No
	Safe/3000	Yes	No	No
	SPLash!	Yes	No	No
HP 3000 Utilities: Sales/Support				
	DiskPerf	Yes	No	No
	TapeDisk	Yes	No	No
	WipeDisk	Yes	No	No
	X-Over	Yes	No	No
HP 3000 Application Support				
	Robelle products	Yes	No	No
	Tidal (OCS) products	Yes	No	No
HP3000 Application Assistance				
	Acucorp (MicroFocus) products	Yes	?	?
	Adager products	Yes	?	?
	AMS products	Yes	?	?
	Bradmark products	Yes	?	?
	Computer Associates products	Yes	?	?
	HP- various including IMAGE, KSAM, Transaction Mgr. Disc Mirror, etc.	Yes	?	?
	Interex CSL	Yes	?	?
	Kelly Computer products	Yes	?	?
	Lund Performance Solutions products	Yes	?	?
	ORBIT products	Yes	?	?
	Denkart products	Yes	?	?
	Quest products	Yes	?	?
	RSA Security products	Yes	?	?
	ScreenJet	Yes	?	?
	SRN products	Yes	?	?
	WRQ products	Yes	?	?
	VESOFT products	Yes	?	?
Programming Languages				
	BASIC	Yes	?	?
	C	Yes	?	?
	C++	Yes	?	?
	COBOL	Yes	?	?
	FORTRAN	Yes	?	?
	GCC	Yes	?	?
	Java	Yes	?	?
	PA-RISC Assembler	Yes	?	?
	Pascal	Yes	?	?
	Perl	Yes	?	?
	PHP	Yes	?	?
	SPL	Yes	?	?
	SPLash!	Yes	?	?

### About Allegro

Allegro is a software services, support, and development company headquartered in Redwood City, California. Founded in 1984, today Allegro offers 24x7 operating system software support helpdesk services for MPE/iX, HP-UX, Solaris and Linux. We also offer customized managed services for customers who are evolving their IT infrastructures. Additionally, Allegro is a center of excellence for kernel-level software development and internals knowledge, offering products that make running your business easier and more productive.



## HP 3000 MPE/iX Support FAQ

Q: When will HP stop supporting my HP 3000 hardware and software?

A: The last day of support will be December 31, 2010.

Q: How long will Allegro provide support for MPE/iX?

A: Allegro is currently committed to support the MPE/iX operating system through to the end of 2016. As 2016 approaches, Allegro may decide to support MPE/iX even further depending on market conditions at that time.

Q: How will it be possible for Allegro to support my HP 3000 when HP is gone?

A: We are happy to announce that HP has licensed the Source Code to the MPE/iX Operating System to Allegro for the purpose of allowing us to provide support to their customers once they have left that business. We can use the Source Code for support purposes starting January 1, 2011.

Q: What happens if I have a system crash?

A: Allegro would request that you follow the memory dump procedures. Once the memory dump data is loaded, Allegro will analyze the dump for probable causes which may include both software and hardware. If hardware, we will work with your hardware service provider to guide them in pinpointing the hardware root cause of the problem.

Q: What does "Application Assistance" mean in your table of provided services?

A: Because Allegro has worked with a multitude of vendor products on the HP 3000 MPE/iX platform, Allegro has some knowledge and skills on these applications, utilities and tools. We stand ready to utilize our skills and knowledge on a best effort basis to help with your issue in these third party application areas. Many times we are able to address the more common problems end users have with these applications. We are not trying to replace any of these vendors support deliverables, but rather enhance your experience with our MPE/iX support offering.