

January 7, 2008

**To : ExxonMobil Research and Engineering Company**Advanced Automation Company  
Yamatake Corporation

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**Subject: Advanced Multifunction Controller Discontinuation Plan**

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Dear Customers:

Thank you very much for using Advanced Multifunction Controller.

Per this letter, Yamatake Corporation would like to announce our discontinuation and maintenance support plan for Advanced Multifunction Controller (AMC).

AMC was released as a process controller in TDC 3000 system in 1987, and has been used by many users worldwide. Many electronic parts used in some of main modules of AMC, however, have been already discontinued to be supplied without any successors, and consequently our continuation of AMC has been quite difficult in manufacturing.

According to the above situation, we have prepared some contract based maintenance program for users' long-term maintenance requirement to support system migration plan.

The discontinuation plan and the maintenance support program are described in this document. We would appreciate that you could review this information, and take it into account for your system's life cycle management.

Should you have any questions on our discontinuation plan, any detailed information requirement, or some arrangement request for our maintenance program, please contact our each regional sales representative or the contact person shown on the last page.

Thank you very much for your understanding on this matter and continued support for Yamatake products and services.

Sincerely,



Masato Iwasaki  
Director, Solution Marketing Department  
Advanced Automation Company  
Yamatake Corporation

## 1. Model numbers to be discontinued from sale

The following model numbers of AMC will be discontinued:

### 1.1. The Main Base Unit modules and packaged model numbers

Table 1 . Model numbers of the Main Base Unit modules and packages

Model Number	Description
J-MSC10	Control Module
J-MHM10	Hiway Interface Module
J-UDM00	UAC Director Module
J-MBU10	Main Base Unit
MJ-AU####	Redundant AMC Package
MJ-AN####	Non-redundant AMC Package
J-BCA00	Contact I/O Adaptor
J80361254001	ROM Cartridge R30

### 1.2. The I/O Base Unit and Auxiliaries

Table 2 . Model numbers of the other discontinued parts

Model Number	Description
J-MBU90	I/O Base Unit
J-HCX00	Hiway Cable I/F Module
J-ELA10/20/30/40	EC-Link Adaptor Module
J-TPX10	Terminal Panel Supporter : A mounting kit of RTPs onto 19 inches rack
J-PDM00	Power Down Monitor
J-EEK##/J-EEL##	EC-Link External Cable
J-EIC10	EC-Link Internal Cable
J-ELT00	ECL Terminator
J-HIC##	Hiway Internal Cable

### 1.3. I/O Modules

The I/O modules are available with renewal models except for some exceptions. Please note that J-HAM70 and J-PIM70 have some restrictions. Refer to the table 3 and the following descriptions for details.

**Table 3 . Model numbers of the I/O Modules**

I/O Module	Old Model No.	New Model No.	Notes
AI Module	J-HAM10	J-HAM70	-HMUX is not supported by J-HAM70. In case that J-HMM00 was used on the non-redundant base unit as an additional AI module to J-HAM10, J-HMM00 is required to be replaced by J-HAM70 at the same time when the J-HAM10 is replaced by J-HAM70. -Redundant configuration is available when J-HAM10 and J-HAM70 are used as a redundant pair.
HMUX Module*	J-HMM00	N.A.	-Use J-HAM70 as a successor. -Checkpoint database restore and restart (from IDLE to RUN) operation is required when replacing J-HMM00 to J-HAM70. *J-HMM00 is being used as an optional 16 AI's only on the non-redundant base unit. J-HAM10 is used on the redundant base unit, instead.
AO Module	J-AOM10	J-AOM70	-Fully compatible to each other. -Redundant configuration is also available as a redundant pair of J-AOM10 and J-AOM70.
SDTC Module**	J-STM00	N.A.	-Withdrawal product. -Use HLAI instead with conventional analog inputs. ** Smart Transmitter Digital Communication Module
DI Module	J-DIM00	J-DIM70	- Fully compatible to each other.
48VDC DI Module	J-DIM10	N.A.	- Withdrawal product
DO Module (16 pts)	J-DOM00	J-DOM60	- Fully compatible to each other.
DO Module (32 pts)	J-DOM10	J-DOM70	- Fully compatible to each other.
Relay DO Module (16 pts)	J-DOM20	J-DOM80	-Fully compatible to each other.
PI Module	J-PIM00	J-PIM70	-A redundant pair must be the same model number. -Transient usage as a pair, however, is permitted during on-line exchange.

### 1.4. I/O Cables

I/O cables are continued for sale with the same model numbers.

**Table 4 . Model numbers of the I/O Cables**

Model Number	Description
J-RSL##/RSK##	Non-redundant I/O Cable
J-RRL##/J-RRK##	Redundant I/O Cable

## 1.5 Remote Terminal Panels

AMC Remote Terminal Panels (RTP) will be in production during the Standard Maintenance Period, so that new parts are available for user's maintenance.

Note that AI Terminal Panel and Enhanced DO Terminal Panel has been already revised without compatibility, which may call for specific consideration when removable parts maintenance are required.

**Table 5 . Model numbers of the RTPs**

RTP	Old Model No.	New Model No.	Notes
AI RTP : used with any HAM or HMM	J-RTP10	J-RTP11	-A connector of AI Adaptor (J-AAU##) has been changed due to its female connector (RTP side) was withdrawn, while its male (AI Adaptor side) is still available. -Respective AI Adaptors need to be ordered for AI Adaptor maintenance depending on an RTP model, J-RTP10 or J-RTP11. -An RTP replacement from J-RTP10 to J-RTP11 will require additional spare parts stock of the new AI Adaptors.
AO RTP : used with any AOM	J-RTP20 J-RTP30	->	-The existing model is continued.
DI/DO RTP : used with any DIM or DOM except for DOM20/80	J-RTP00	->	ditto
Relay DO RTP: used with DOM20/80	J-RTP80	->	ditto
PI RTP: used with any PIM	J-RTP50	->	ditto
Enhanced DO RTP: used with any other DOM than DOM20/80.	J-ETP00	J-ETP01	-The terminal panel was revised due to the relays withdrawal without compatible successors. -A whole ETP replacement will be required when relays are replaced from the old model to the new model.

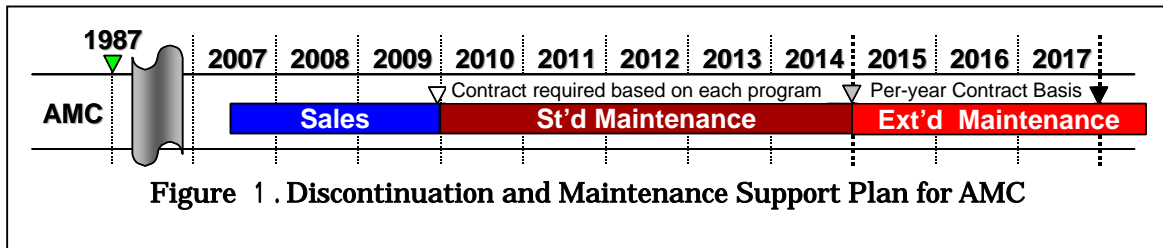
## 2. The Reason for Discontinuation

The reason for discontinuation is numbers of electronic parts, used in main modules such as Control Module or Hiway I/F Module, were discontinued with no compatible successors by parts manufactures, and Yamatake will not be able to continue these modules' production without major architectural design changes.

## 3. Discontinuation and Maintenance Support Plan

The schedule of AMC discontinuation until end-of-support is shown below (with the sales release date):

- Sales Discontinuation : December End, 2009
  - Maintenance Support Period
    - Standard Maintenance Period : December End, 2014
    - Extended Maintenance Period : December End, 2017
- ( Per-Year Contract Basis )



#### 4. Maintenance Support Program

So as to provide a long-term maintenance support to each user with limited numbers of electronics parts, Yamatake would like to propose Parts Management Program (PMP). PMP is a Yamatake's service program which is designed to deliver the customers, AMC users, secured parts/service supply from Yamatake with scheduled investment for the defined time period under contract. It also intends to support user's long-term maintenance requirements by repair and recycle fashion for failed parts and components.

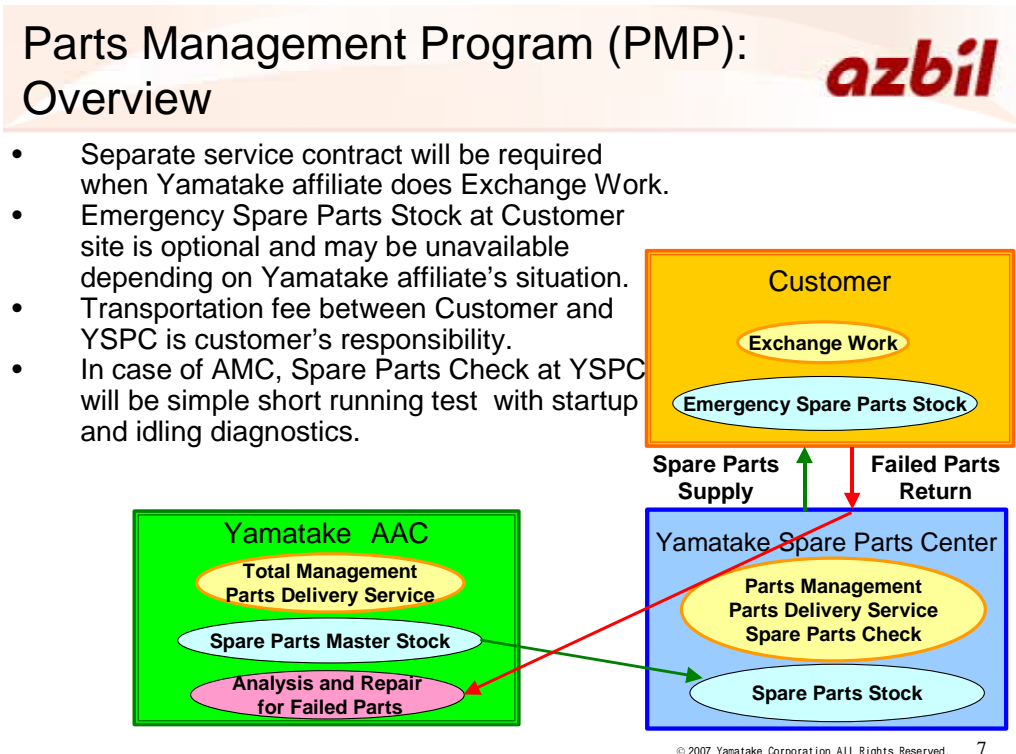
The service elements of PMP are as follows:

- Emergency Spare Parts stock at customer site (Yamatake asset)
  - Initial delivery
  - Replenishment by YSPC\* when used in site (delivery in 24 hrs after receiving request)
  - Annual quality inspection
- Spare Parts stock in YSPC\*
  - Emergency Spare Parts for 24 hr delivery
  - Other defined parts for delivery on request
  - Annual quality inspection
- Parts replacement service
- Maintenance training

\*YSPC: Yamatake Spare Parts Center, regionally prepared for PMP contract

It is available to arrange those service elements to meet site-by-site requirements or each regional situation at both ends of customers and Yamatake.

The figure 2 below illustrates a simple scheme for the PMP.



**Figure 2. Parts Management Plan Overview**

For more information including pricing, details of a maintenance contract procedure, etc., please contact our each regional sales representative or the following contact person:

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Solution Marketing Department

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