

Certificate of Volatility Request

Please ask your technical support team to respond to our request for memory storage capacity (volatile and non-volatile with declassification procedures by Aug. 18,2004.

The signature of respondent must be a technically knowledgeable individual from your company's engineering design or technical maintenance staff rather than a Boeing approved sales representative or third party representative.

Manufacturer: _____XEROX CORPORATION_____

Equipment Name: __WorkCentre_____

Model:_____M15/M15i_____

Configuration: This item is connected to

_____standalone____X_____; networked _____ with operating system

General description: Desktop copier/analog fax

Purpose: Standalone copier/fax unit.

Type of memory:

Volatile memory: What is the amount? What period of time does the unit need to be powered off to completely erase this memory?

M15 : SDRAM : 16Mbytes buffer for fax, ,copy operations. Typical bleeddown time is 10 seconds.

Non-Volatile Memory:

1. **Type:** What type(s) of non-volatile memory are included, EPROM, EEPROM, Flash memory, NVRAM, and battery backed, etc.(fill in)

M15/M15i :

Flash memory(NOR-gates type) : 4 Mbytes system firmware

SRAM(Battery backed): 128Kbytes system operation parameters.

M15i :

SDRAM(Battery backed) : 16Mbyte buffers for copying, faxing

Flash memory (NOR-gates type) : 4 Mbytes for PCL fonts.

2. **Accessibility:** Is it accessible by accidental/intentional keystroke, or software malfunction?

Yes

Certificate of Volatility, continued

3. If "YES, it is accessible,

- Describe location and purpose.

Flash memory on the main PBA contains system firmware

Battery-backed SRAM on the main PBA contains maintenance parameter data.

Purpose: typical uses for non-volatile memory location are system identification number and system configuration, boot, and initialization parameters, for example (battery-backed NVRAM on SUNs); put in for future design needs, internal depot repair, clock circuit, "nice" to have, or to flag unauthorized software, etc.

If "NO", it is not accessible, _____ . (Check here).

4. *Required memory*: Is device needed for normal operation, i.e. required for this processing period?

Yes

5. *Removal consequences*: If device memory chip is erased, what impact will this have on operation and normal function of device?

Removal of device non-volatile memory will disable system. System data(time, date, operating modes etc), are required for proper operation .

Example: If the SUN is turned on without this means of checking for the authorized configuration, the system will not boot and therefore the data cannot be processed per the standard Practice Procedure (SPP).

6. *Method of access*: How is it accessed? Is non-volatile memory location theoretically accessible with any system code, not just via the operating system or low level booting firmware?

Remember: Modifying internal programming to access is not the same thing as unknowingly accessing from an accidental keyboard stroke.

Memory is accessed in maintenance mode, and is not accessible through accidental keystroke. However, systems settings may be set, reset, or cleared to default from the user interface.

7. *Warranty*: Does chip removal or EEPROM erasure void the warranty?

No

8. *Size*: How much memory is contained? Number of bytes, etc.

Certificate of Volatility, continued

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- 9. *Spacing:* Is the memory fully utilized or does it have available memory space for additional information to be placed?

All memory devices are fully utilized.

- 10. Can this non-volatile memory be addressed to ensure that only authorized information is resident? If yes, how?

No.

Note: Terms like clearing, purging, and overwriting are explained in **NCSC-TG-025 Version-2 "A Guide to Understanding Data Remanence in Automated Information Systems"**,dated September 1991. Direct any questions to the employee requesting this information. Further guidance is in Chapter 8, tables 1 & 2 in the NISPOMSUP

Evaluation and summary of this equipment was completed by the following:

 R. Cusick Signature

 R. Cusick (Printed name)

 Technical Marketing Manager (Title)

Job function: _____

Designed product: _____ ; Maintenance certified _____ Technical support

Please attach any specifications or equipment manual pages that support your evaluation. Direct any questions to _____.

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