

# **Working Implementation Agreements for Open Systems Interconnection Protocols: Part 20 - Manufacturing Message Specification (MMS)**

Output from the June 1991 NIST Workshop for  
Implementors of OSI

Contact: **John Baier, Allen-Bradley**  
SIG Editor: **Neal Laurance, Ford** Workshop Editor: **Brenda Gray**

## **Foreword**

This part of the Working Implementation Agreements was prepared by the Manufacturing Message Specification (MMS) Special Interest Group (MMSSIG) of the National Institute of Standards and Technology (NIST) Workshop for Implementors of Open Systems Interconnection (OSI). See Procedures Manual for Workshop charter.

Text in this part has been approved by the Plenary of the above-mentioned Workshop. No significant technical change has occurred in this part since it was previously presented.

Future changes and additions to this version of these Implementor Agreements will be published as a new part. Deleted and replaced text will be shown as ~~strikeout~~. New and replacement text will be shown as shaded.

## Table of Contents

<b>Part 20</b>	<b>Manufacturing Message Specification (MMS)</b> .....	1
<b>0</b>	<b>Introduction</b> .....	1
<b>1</b>	<b>Scope</b> .....	1
<b>2</b>	<b>Field of Application</b> .....	1
<b>3</b>	<b>Normative References</b> .....	1
<b>4</b>	<b>Definitions</b> .....	1
<b>5</b>	<b>Corrigenda and Addenda</b> .....	1
<b>6</b>	<b>Status</b> .....	1
<b>7</b>	<b>General Agreements</b> .....	2
	7.1 Max supported PDU size .....	2
	7.2 FileName .....	2
<b>8</b>	<b>Service-Specific Agreements</b> .....	2
	8.1 Environment and general management .....	2
	8.2 VMD Support .....	2
	8.3 Domain Management .....	2
	8.3.1 List of capabilities .....	2
	8.3.2 Initiate Download Sequence service .....	2
	8.3.3 Download Segment service .....	2
	8.3.4 Terminate Download Sequence service .....	3
	8.3.5 Initiate Upload Sequence service .....	3
	8.3.6 Upload Segment service .....	3
	8.3.7 Get Domain Attributes service .....	3
	8.3.8 Get Capability List service .....	3
	8.4 Program Invocation Management .....	3
	8.4.1 Start service .....	3
	8.4.2 Stop service .....	3
	8.4.3 Resume service .....	3
	8.4.4 Reset service .....	4
	8.5 Variable Access .....	4
	8.5.1 Scattered access .....	4
	8.5.2 Floating point .....	4
	8.6 Semaphore Management .....	4
	8.7 Operator Communication .....	4
	8.8 Event Management .....	4
	8.9 Journal Management .....	4

**Annex A** (normative)

**Backwards compatibility agreements** ..... 5

**Annex B** (normative)

**DIS 9506 modifications required for backwards compatibility** ..... 6

# **Part 20 - Manufacturing Message Specification (MMS)**

## **0 Introduction**

(Refer to the Stable Agreements, dated June, 1991.)

## **1 Scope**

(Refer to the Stable Agreements, dated June, 1991.)

## **2 Field of Application**

## **3 Normative References**

(Refer to the Stable Agreements, dated June, 1991.)

## **4 Definitions**

(Refer to the Stable Agreements, dated June, 1991.)

## **5 Corrigenda and Addenda**

None at time of publication.

## **6 Status**

Phase 1 is in progress.

## **7 General Agreements**

### **7.1 Max supported PDU size**

(Refer to the Stable Agreements, dated June, 1991.)

### **7.2 FileName**

(Refer to the Stable Agreements, dated June, 1991.)

## **8 Service-Specific Agreements**

### **8.1 Environment and general management**

(Refer to the Stable Agreements, dated June, 1991.)

### **8.2 VMD Support**

### **8.3 Domain Management**

#### **8.3.1 List of capabilities**

(Refer to the Stable Agreements, dated June, 1991.)

#### **8.3.2 Initiate Download Sequence service**

(Refer to the Stable Agreements, dated June, 1991.)

#### **8.3.3 Download Segment service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.3.4 Terminate Download Sequence service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.3.5 Initiate Upload Sequence service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.3.6 Upload Segment service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.3.7 Get Domain Attributes service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.3.8 Get Capability List service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.4 Program Invocation Management**

**8.4.1 Start service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.4.2 Stop service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.4.3 Resume service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.4.4 Reset service**

(Refer to the Stable Agreements, dated June, 1991.)

**8.5 Variable Access**

**8.5.1 Scattered access**

(Refer to the Stable Agreements, dated June, 1991.)

**8.5.2 Floating point**

(Refer to the Stable Agreements, dated June, 1991.)

**8.6 Semaphore Management**

Semaphore services are not considered in Phase 1.

**8.7 Operator Communication**

(Refer to the Stable Agreements, dated June, 1991.)

**8.8 Event Management**

Event Management services are not considered in Phase 1.

**8.9 Journal Management**

Journal Management services are not considered in Phase 1.



---

**Annex A** (normative)

---

**Backwards compatibility agreements**

(Refer to the Stable Agreements, dated June, 1991.)

---

**Annex B** (normative)

---

**DIS 9506 modifications required for backwards compatibility**

(Refer to the Stable Agreements, dated June, 1991.)