

## **Status of the GMS IDCS**

This paper reports the status of the IDCPS registered on the GMS IDCS and the replacement of the DCS ground data processing system of JMA.

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### 1. Introduction

The purpose of this document is to report the current number of IDCPs registered on the GMS IDCS, the current state of their operations and the IDCS channel interference.

### 2. Status of the GMS IDCS

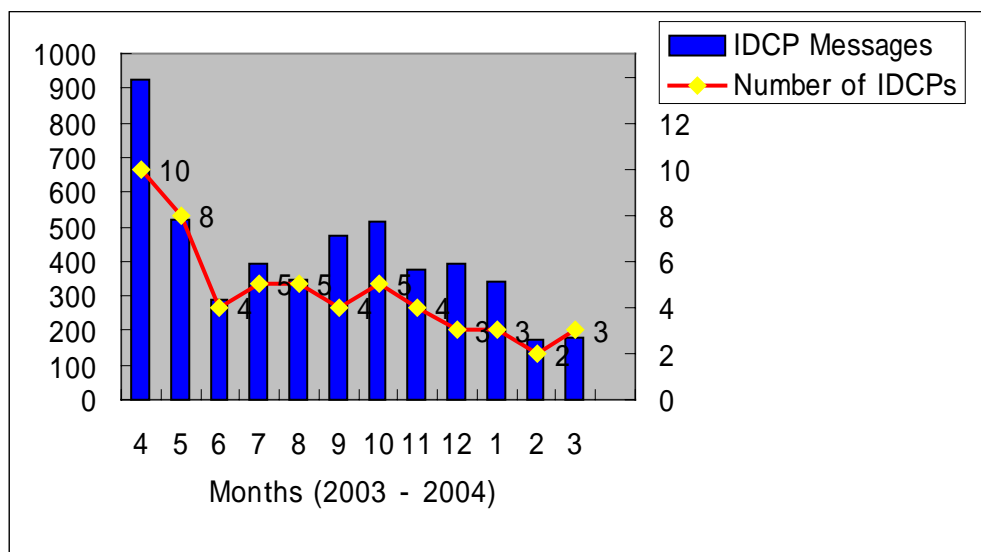
As of the beginning of April 2004, 65 IDCPs are registered on the GMS IDCS and operate on 8 of the 33 international channels. The numbers of registered IDCPs are 57 for ship and 8 for aircraft (ASDAR). Table 1 shows the total number of registered IDCPs assigned to individual IDCS channels and that of IDCP messages received during the past one year. ASDARs operate on Channel 18 and ship IDCPs operates on other channels.

**Table 1. Total number of registered IDCPs and IDCP messages  
(Apr 2003 – Mar 2004)**

Channel	06	07	10	14	15	16	18	20	Total
Number of registered IDCPs	14	22	3	3	7	5	8	3	65
IDCP messages	0	914	0	83	1279	0	2500	0	4776

Figure 1 shows the number of received IDCP messages and the number of IDCPs in operation during the past one year.

The numbers of both IDCPs and their messages disseminated via the GMS IDCS have decreased to less than half during the previous year. There were only three reports, two from ships and one from an aircraft, in the area where GMS-5 was responsible for collection during the period.



**Figure 1. Number of IDCPs and IDCP messages**

### **3. Interference to the IDCS channels**

The status of interference to the IDCS channels from September 2003 to March 2004 is summarized in Table 2. During this period, severe interferences that affect the data transmission including continuous and temporary ones were observed in 4 of 33 IDCS channels, i.e. Channel 1, 29, 31 and 33.

### **4. The sixth meeting of AMDAR Panel**

The sixth meeting of AMDAR Panel was held in Oct. 2003. The timing of termination of the ASDAR program was discussed at the meeting because the number of operational ASDAR equipped aircrafts had been decreasing, while the amount of data from the AMDAR equipped aircrafts had been increasing.

JMA plans to replace the ground data processing system including DCS ground processing system in March 2005 due to its overage and JMA is fully examining the technical requirements of the software for the new DCS, including the ASDAR support function.

JMA is paying attention to the future activity of the ASDAR program.

**Table 2. Summary of monitoring of the GMS-5 IDCS channels****(From Sep 2003 through Mar 2004)**

	2003				2004		
	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
CH 1	W	W	W	S	W	S	S
CH 2							
CH 3							
CH 4							
CH 5	W	W					
CH 6							
CH 7					W	W	W
CH 8				W	W	W	
CH 9							
CH10							
CH11							
CH12							
CH13							
CH14							
CH15							
CH16							
CH17							
CH18							
CH19							
CH20							
CH21							
CH22							
CH23							
CH24							
CH25	W	W	W	W	W	W	W
CH26							
CH27							
CH28							W
CH29						S	
CH30							
CH31	S		W	S	S	S	S
CH32	W	W	W	W			W
CH33	S	S	S	S	S	S	S

**S: severe interference****W: weak interference**