



# *RFID Middleware JMS Report Format*

**V2.0**

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## Revision record

Version	Revision content	Revised/ Revised time
V1.0	Original version	Yang Zhiqiang /2017.10.09

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## Status report

Return data	Type	Remarks
<b>seq</b>	int	Serial number
<b>command</b>	String	Command name
<b>result</b>	int	0: success, not 0 means failure
<b>description</b>	String	Information description
<b>data</b>	JSONObject	Return status report data set
<b>rand</b>	String	Random number of communication, no need to care
<b>mac</b>	String	Check MAC, no need to care

### Return status report data set

Parameter	Format	Optional	Remarks
<b>report</b>	JArray	Mandatory	Status report data

## Status report data

Parameter	Format	Optional	Remarks
<b>readerID</b>	int	Mandatory	Reader ID of the occurring status
<b>antID</b>	int	Optional	Antenna ID of the occurring status
<b>gpiID</b>	int	Optional	GPI ID of the occurring status
<b>timestamp</b>	String	Mandatory	The occurring status time,format, yyyy-MM-dd hh:mm:ss
<b>procedure</b>	String	Optional	Operation process when status occurs
<b>type</b>	String	Mandatory	Status type: lost Reader offline reconnect Reader reconnecting trigger Process start triggerover Process over error Execution error io IO status
<b>desc</b>	String	Mandatory	Status description

## Tag report

Return data	Type	Remarks
<b>seq</b>	int	Serial number
<b>command</b>	String	Command name
<b>result</b>	int	0: success; not 0 means failure
<b>description</b>	String	Information description
<b>data</b>	JSONObject	Return tag report data set
<b>rand</b>	String	Random number of communication, no need to care
<b>mac</b>	String	Check MAC, no need to care

## Return tag report data set

Parameter	Format	Optional	Remarks
<b>report</b>	JArray	Mandatory	Tag report data

## Tag report data

Parameter	Format	Optional	Remarks
<b>readerID</b>	int	Mandatory	The reader ID that reading tag
<b>link</b>	String	Mandatory	Connection ip and port of reader
<b>ant</b>	int	Mandatory	Antenna index for the reading tag, first from 1.
<b>EPC</b>	String	Mandatory	EPC value of the tag
<b>PC</b>	String	Mandatory	Tag PC
<b>TID</b>	String	Optional	TID value of the tag
<b>userdata</b>	String	Optional	User data of the tag
<b>count</b>	int	Optional	Reading total times in one reporting cycle period
<b>rssi</b>	int	Optional	The last read signal strength in one reporting cycle period
<b>firstTimestamp</b>	String	Mandatory	Timestamp of the tag readed at first time in one reporting cycle period
<b>lastTimestamp</b>	String	Optional	Timestamp of the tag readed at the last time in one reporting cycle period
<b>freq</b>	int	Optional	Frequency, KHz
<b>phase</b>	int	Optional	Phase, radian

## Example: