■About the body part definition (JSON schema definition) of the interface

1. Type definition
The element shall be of the following data type.
- String (string)
- Number (number, integer)
- Boolean
- Array (array)
- Object (object)
- Null (null)

※ "Empty array allowance" is used only for array elements
※ ○, × Setting other than the following patterns also exist

Table 1 Format of body part definition

Body		Type	Essential element	Nullable	Empty array allowance
param_string1		string	○	×	
param_string2		string	○	○	
param_array1		string[ ]	○	○	×
param_array2		string[ ]	○	×	○
param_array3		string[ ]	○	○	○
param_object1		object[ ]	○	×	×
	paramA	string	○	○	
	paramB	string	×	○	
param_object2		object[ ]	×	○	○
	paramC	string	○	○	
	paramD	string	○	○	

The rules are described for the elements whose sky or null are set from the following.

1-1. About string (string)
- Handle empty strings and null distinctly
  ※ null can only set elements whose "nullable" is "○"

Figure 1 Example of JSON Notation

```
{
  "param_string1" : "",      ← Empty string
  "param_string2" : null     ← null
}
```

1-2. About array
- An element that sets multiple values for one element is expressed as an array
- Treat "empty array" which is an array but has no value at all as one piece of information
※ However, only elements whose "empty array allowance" is "○" can be set
- Empty array and null are treated distinctly
※ null can only set elements whose "nullable" is "○"

Figure 1 Example of JSON Notation

```
{
  "param_array1" : [ "aaa", "bbb"] ,   ← Two values in the array
  "param_array2" : [ ] ,               ← Empty array
  "param_array3" : null                ← null
}
```

1-3. About the object
- A group of multiple information elements is expressed as an object
※ The notation of the child element of the object is to lower the indent by one level

Figure 1 Example of JSON Notation

```
{
  "param_object1" : [                                  ← Object declaration
      { "paramA" : "aaa", "paramB" : null } ,          ← First array value (param B is null)
      { "paramA" : "aaa" }                             ← Second array value (param B is element omitted)
  ] ,
  "param_object2" : null                               ← null
}
```

2. Essential elements
- An element with "○" in the "required element" column can not be omitted and must be set
- The required settings for the child elements of the object are as follows
  A) When parent element exists → The essential element setting of the child element is adapted
  B) When the parent element does not exist → Required element setting of child element is not adapted (Does not exist = parent element is omitted or is empty array or null)

■ Description of the case where the usage method between the higher system – MFC / FC and MFC – FC is different

Depending on the interface, there are cases where the definition of the parameter specified when the host system makes a request to the MFC / FC and the definition of the parameter specified when the MFC makes a request to the FC are different.
For such interfaces, we shall describe each sheet as follows.

1. Whether the parameters are specified or not
If there are request parameters that are not supposed to be specified from the host system,
Describe that it will not be specified in the remarks column as in the example in the table below.

message		code	body	Type	Required	Nullable	Empty array	Overview	remarks
request		–	param_string1	string	○	×		Parameter overview	【Parameters not shown to the top】

2. Parameter mandatory · Null allowable · Empty array tolerance handling is different
When the request is mandatory, mandatory, nullable, empty array permissible in case of MFC / FC from Master / FC and MFC to FC,
for the mandatory, nullable, empty array allowable columns, restrictions on request from the host system to the MFC / FC shall be described.
If the constraint on request from MFC to FC differs from the request from MFC / FC from higher system,
that fact shall be stated in the remarks column as follows.

message		code	body	Type	Required	Nullable	Empty	Overview	remarks
request		–	param_string1	string	○	×		Parameter overview	【Restriction for MFC-FC】 Required: ×, nullable: ○

3. When the specifiable values of the parameters are different
In the case of requesting from MFC / FC to MFC / FC, when requesting from MFC to FC, if the settable values of the parameters are different, the values that can be specified in each case shall be described in the remarks column as follows.

message		code	body	Type	Required	Nullable	Empty	Overview	remarks
request		–	param_string1	string	○	×		Parameter overview	[Setting value for higher system] "Abc": XXXXX "Def": XXXXX [Setting value between MFC and FC] "Abc": XXXXX "Ghi": XXXXX

4. If the response of the request is different
When there is a response code that is not supposed to respond to the host system, it states that it will not be specified in the remarks column as in the example in the table below

message		code	body	Type	Required	Nullable	Empty	Overview	remarks
response		204	param_string1	–	–	×		Parameter overview	【Response code not shown to the top】