

### 11.A.2.10. Mesh Search

The emergency Q-POI search and near-cities search are configured in the same way as this frame.

For each genre of emergency Q-POI search, mesh search is defined.

#### 11.A.2.10.1. Mesh Search Frame

##### 11.A.2.10.1.1. Management Frame of Search Frame

name [Management Frame of Search Frame]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	16		Management Frame Header of Search Frame		a
2	16	X		Detailed Search Information Record -#1		a

##### 11.A.2.10.1.1.1. Management Frame Header of Search Frame

name [Management Frame Header of Search Frame]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	4	C	Data Declaration	'DFSM'	a
2	4	4	N	Category and Matching Data Count - G (Number of Detailed Search Information Records)	=1	a
3	8	4	SWS	Size of Detailed Search Information Record	1)	a
4	12	4	D	Offset to the Top of Detailed Search Information Record	2)	a

- 1) This field describes the size of the detailed search information record. If there are two or more records, the records must have the same size (fixed length).
- 2) The displacement from the top of the search frame management frame to the first record of the sequence of detailed search information records is described, as it allows future expansion and manufacturer-specific data description.

##### 11.A.2.10.1.2. Detailed Search Information Record

name [Detailed Search Information Record]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	4	C	Data Declaration	'SRME'	a
2	4	4	SWS	Expansion Field Size	1)	a
3	8	4	D	Offset to the Expansion Field	1)	a
4	12	4	SWS	Category Definition Frame Size	2)	a
5	16	4	D	Address to Category Definition Frame	3)	a
6	20	4	SWS	Category Data Frame Size	2)	a
7	24	4	D	Address to Category Data Frame	3)	a
8	28	4	C	Default Keyboard Designation	NULL	a
9	32	4	SWS	Category Parent Record Size	4)	a
10	36	4	SWS	Category Option Record Size	5)	a
11	40	4	SWS	First-level Category Size	6)	a
12	44	4	N	Number of Option Items of First-level Category	6)	a

No.	offset	Data length	Data type	Item name	Remarks	Classification
13	48	4	D	Offset to First-level Category Table	6)	a
14	52	4	C	Keyboard Designation for First-level Category	NULL	a
15	56	4	SWS	Matching Data Definition Frame Size	2)	a
16	60	4	D	Address to Matching Data Definition Frame	3)	a
17	64	4	SWS	Matching Data Frame Size	2)	a
18	68	4	D	Address to Matching Data Frame	3)	a
19	72	4	SWS	Size of the Record of Matching Data Frame	7)	a
20	76	4	N	Total Number of the Records of Matching Data Frame	8)	a
21	80	4	N	Default POI Information Serial Number	9)	a
22	84	4	SWS	Next-level Data Frame Size	10)	a
23	88	4	D	Address to Next-level Data Frame	10)	a
24	92	B1		Character Information Data List for Representation Item	11)	a
25	O1	B2		A Sequence of Additional Frame Address(es) (#1 to #n)	3)	c
26	O2	B3		Expansion Field		c
27	O3	B4		Padding Field		c

Note: Positions of items 25 and 26 are optional in this detailed search information record because their areas can be determined by items 5, 7, 16, and 18. However, the detailed search information record size specified in the management frame header of the higher search frame must be satisfied by items 25 to 27.

1) Expansion Field Size and Offset

This field describes a displacement from the top of the detailed search information record to the top of the expansion field as the offset to the expansion field. Since this example does not have an expansion field, specify invalid values as the size and offset.

2) These fields describe the total size of the target data frame.

3) These fields describe the address of the target data frame in the representation format of 7) in Section 11.A.2.1.2.

4) This field describes the size of the category parent record.

5) This field describes the size of a single category option record.

6) Size, Number of Option Items, and Offset of First-level Category

These fields describe the size, number of option items, and displacement from the top of the category data frame, of the category table to be read first (which contains all the option items). For the second- and subsequent-level category tables, the record size, number of option items, and offset should be specified in the parent record of the actual data.

7) Record Size of Matching Data Frame

This field describes the record size in the target data frame.

8) Total Number of the Records of Matching Data Frame

This field describes the total number of records of the target data frame.

9) Default POI Information Serial Number

This field describes the corresponding POI Information number.

10) Next-level Data Frame Size and address

In this example, specify a Q-POI (nearby facility) search frame of Section 11.A.2.11 as the next-level search frame.

11) Character Information Data List for Representation Item

This field describes a search name, which is determined by the function specifications of the system.

ex) English; 'MESH SEARCH'

### 11.A.2.10.1.3. Category Definition Frame

No.	Usage	Description type	Description type declaration	Number of data items	Additional information	Comment	Remarks	Classification
1	'DCTF'	'REAL'	-	-	(9)	Definition Field Declaration		a
2	'FNST'	'OFST'	'UL'	1	-	Offset to Matching Data		a
3	'FNCT'	'NORM'	'UL'	1	-	Matching Data Count		a
4	'SELN'	'NORM'	'UW'	1	-	Number of Option Items		a
5	'DCSF'	'REAL'	-	-	(5)	Option Definition Field Declaration		a
6	'KYME'	'NORM'	'UB'	1	-	Search Mesh Number Search Key		a
7	'NXKD'	'NORM'	'UH'	1	-	Next-level Data Frame Type		a
8	'NXFN'	'NORM'	'UH'	1	-	Next-level Data Frame Serial Number		a
9	'NXST'	'OFST'	'LG'	1	-	Offset to Next-level Data Frame		a
10	'NXSZ'	'NORM'	'LG'	1	-	Next-level Data Frame Size		a

### 11.A.2.10.1.4. Category Data Frame

name [Mesh Search Category Data Frame]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	B1		A Sequence of Category Tables of Mesh Search		a

#### 11.A.2.10.1.4.1.Mesh Search Category Table

name [Mesh Search Category Table]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	B1		Mesh Search Category Parent Record		a
2	01	B2		A Sequence of Mesh Search Category Option Records		a

name [Mesh Search Category Parent Record]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	4	D	Offset to Matching Data		a
2	4	4	N	Matching Data Count		a
3	8	2	N	Number of Option Items		a

name [Mesh Search Category Option Record]

No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	1	N	Search Mesh Number Search Key		a
2	1	1/2	N	Next-level Data Frame Type		a
3	1.5	1/2	N	Next-level Data Frame Serial Number		a
4	2	4	D	Offset to Next-level Data Frame		a
5	6	4	SWS	Next-level Data Frame Size		a

#### 11.A.2.10.1.5 Matching Data Definition Frame

No.	Usage	Description type	Description type declaration	Number of data items	Additional information	Comment	Remarks	Classification
1	'DCTF'	'REAL'	-	-	(5)	Definition Field Declaration		a
2	'SMEN'	'NORM'	'UL'	1	-	Search Mesh Number		a
3	'SMEL'	'NORM'	'UB'	1	-	Search Mesh Integration Level		a
4	'NXKD'	'NORM'	'UH'	1	-	Next-level Data Frame Type	1)	a
5	'NXFN'	'NORM'	'UH'	1	-	Next-level Data Frame Serial Number	1)	a
6	'NXST'	'OFST'	'LG'	1	-	Offset to Next-level Data Frame	2)	a

- 1) These fields describe the corresponding category table of Section 11.A.2.11 as the next-level search frame. (KXKD = 4, NXFN = 1)
- 2) This field describes the displacement from the top of the category data frame of the Q-POI search frame described in Section 11.A.2.11 of the next level to the top of the category table of the search mesh.

11.A.2.10.1.6. Matching Data Frame

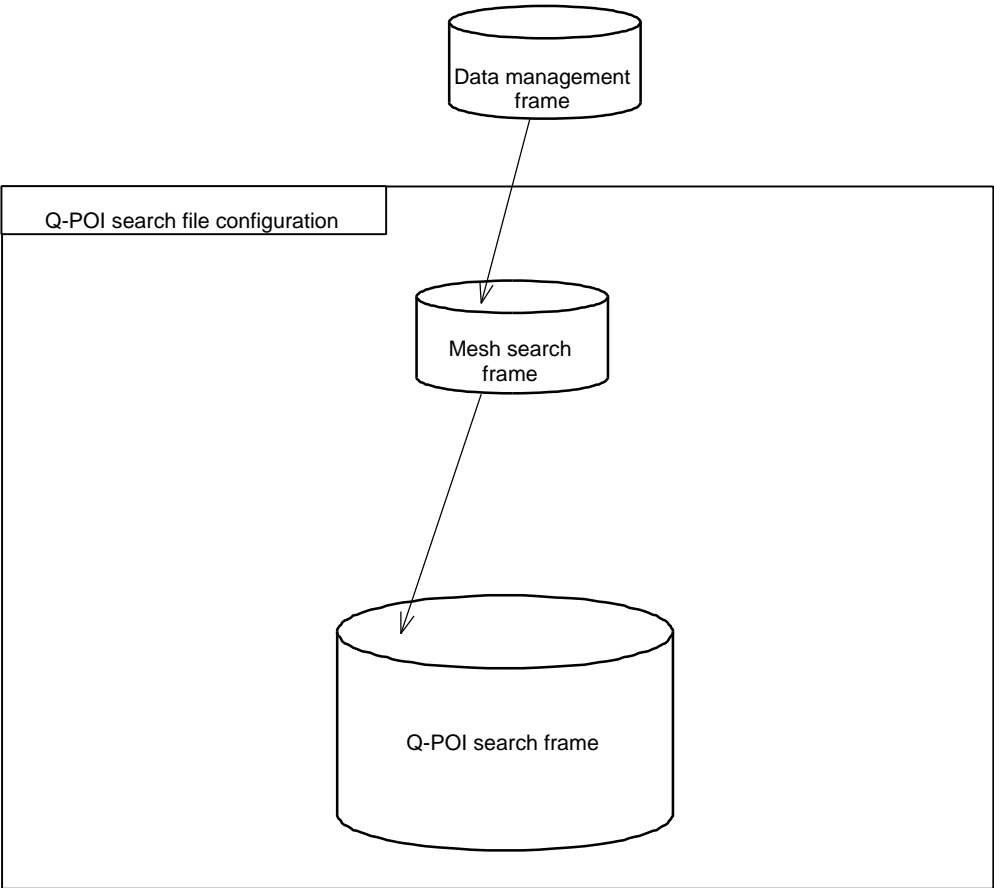
name [Matching Data Frame of Mesh Search]

No.	Offset	Data length	Data type	Item name	Remarks	Classification
1	0	B1		A Sequence of Matching Data Records of Mesh Search		a

name [Matching Data Record of Mesh Search]

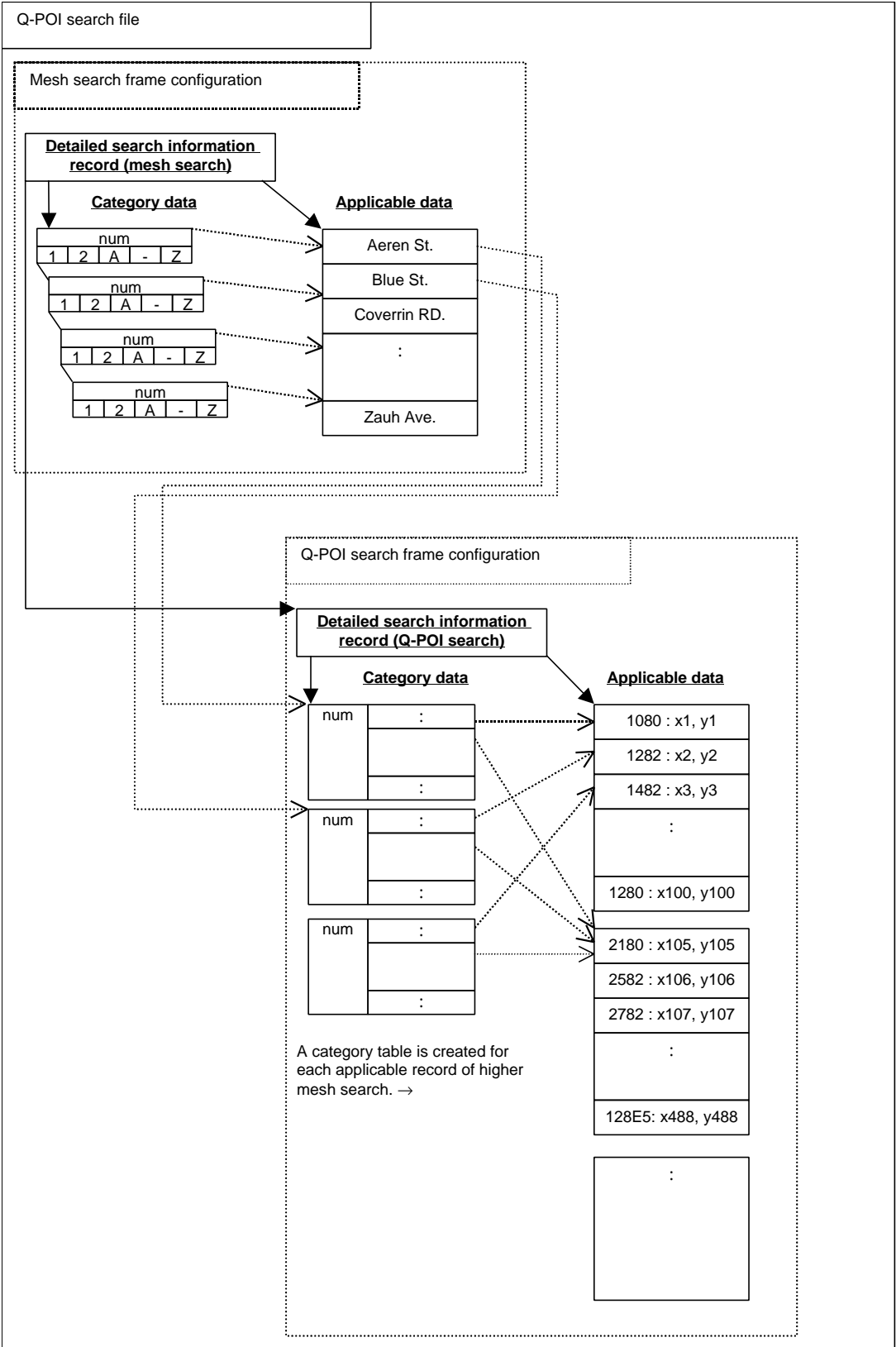
No.	offset	Data length	Data type	Item name	Remarks	Classification
1	0	4	N	Search Mesh Number		a
2	4	1	N	Search Mesh Integrity Level		a
3	5	1/2	N	Next-level Data Frame Type		a
4	5.5	1/2	N	Next-level Data Frame Serial Number		a
5	6	4	D	Offset to Next-level Data Frame		a

11.A.2.10.2. File Configuration of Mesh Search



Q-POI Search File Configuration

11.A.2.10.3. Q-POI Search Frame Configuration



Q-POI Search Frame Configuration