

## 4.12 Segment Group 11 - (DSI-STIS-DTM-ARR-Gr12): ARR - Array Information

### 4.12.1 Purpose

This segment contains the statistical data in the data set.

### 4.12.2 Segment Rules

The segment can occur up to 999 times.

### 4.12.3 Relationships

None.

### 4.12.4 Segment Format

<i>Tag</i>	<i>Name</i>	<i>M/C</i>	<i>Format</i>	<i>Usage</i>	<i>Repetition</i>
C778	POSITION IDENTIFICATION	C		X	
7164	Hierarchical id number	M	an..12		
1050	Sequence number	C	n..7		
C770	CELL DETAILS	C		R	max. 100 times
9424	Cell information	C	an..35	D	max. 100 times

### 4.12.5 Data Element Rules

#### C778 - Position Identification

Not used.

#### C770 - Cell Details

##### 9424 - Cell information

The ARR segment comprises up to 100 occurrences of the composite data element Cell Details. Each Cell Details composite can contain up to 100 occurrences of the data element Cell Information (only 18 in this sub-set, see below). The ARR segment itself can occur up to 9999 times for each data set.


**Important note:** the EDI translators that are available on the market today show often very strong limitations on either the maximum size of one segment or the maximum number of data elements within a segment. This means that the theoretical 100 times repetition for C770 will often be restricted, and needs to be agreed between interchange partners.

The method that is used to send array data in the ARR is flexible and should be agreed between partners.

ARR structures should be agreed between partners, and identified in Gr11/DSI. See in appendix II the structure required by the directive on maritime statistics for the flow between CNAs and Eurostat.

#### 4.12.6 Example

In each of the examples below, the maximum number of occurrences of Cell Details (100) is not used, and shows the techniques that can be used if an EDI translator has size restrictions. In the first example, there are five occurrences; and in the second there is only one occurrence. The ARR structure that is used is the example shown in appendix one, with the reporting port in the CDV segment and therefore not present in ARR.

 *ARR segments in data set A1:*

```
ARR++1995:3:1:FRBAY:11:19:9146+1995:3:1:FRBOD:11:31:42+1995:3:1:FRCQF:
11:19:12579+1995:3:1:FRCQF:11:99:151+1995:3:FRURO:1:FRDKK:11:11:950'
ARR++1995:3:1:FRDKK:11:13:17243+1995:3:1:FRLEH:11:11:925+1995:3:1:FRLE
H:11:19:5155+1995:3:1:FRNTE:11:29:4580+1995:3:1:NL888:30:19:9086'
ARR++1995:3:1:NL888:30:29:2835+1995:3:1:NLAMS:30:22:6681+1995:3:1:NLAMS
:30:29:1600+1995:3:1:NLRTM:30:13:264162+1995:3:1:NLRTM:30:19:18728'
ARR++1995:3:1:NLTNZ:30:11:993+1995:3:1:DEHAM:41:13:3587+1995:3:1:DEHAM
:41:19:6380+1995:3:1:DENHA:41:19:4522+1995:3:1:DEWVN:41:13:21982'
```

 *Data set F1*

```
ARR++1995:2:1::::::::::::4:12:356:5051640'
ARR++1995:2:1::::::::::::4:14:1246:43958880'
ARR++1995:2:1::::::::::::4:15:2262:110049320'
ARR++1995:2:1::::::::::::4:16:6015:338745827'
ARR++1995:2:2::::::::::::4:12:925:13125750'
ARR++1995:2:2::::::::::::4:14:913:32210640'
ARR++1995:2:2::::::::::::4:15:3149:150981580'
ARR++1995:2:2::::::::::::4:16:5579:317182963'
```