



Brussels, **XXX**  
[...](2018) **XXX** draft

**COMMISSION IMPLEMENTING DECISION (EU) .../...**

**of **XXX****

**implementing Directive 2007/2/EC of the European Parliament and of the Council as  
regards monitoring and reporting**

(Text with EEA relevance)

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**implementing Directive 2007/2/EC of the European Parliament and of the Council as regards monitoring and reporting**

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THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)<sup>1</sup>, and in particular Article 21(4) thereof,

Whereas:

- (1) Directive 2007/2/EC requires Member States to monitor the implementation and use of their infrastructures for spatial information and to report on a number of issues relating to this. Commission Decision 2009/442/EC<sup>2</sup> implements Directive 2007/2/EC of the European Parliament and of the Council as regards that monitoring and reporting. Experience from the previous reporting exercises and the conclusions of recent evaluations (REFIT evaluation of Directive 2007/2/EC<sup>3</sup>, Fitness Check on reporting and monitoring of EU environment policy<sup>4</sup>) have shown the need to simplify and streamline monitoring and reporting, support better comparison of the implementation progress across Member States and allow for National and EU-wide overviews while reducing administrative monitoring and reporting burden. Updated information should be collected in an easier, comparable and less burdensome way for all reporting actors. Moreover, the significant number of indicators was not allowing for a clear insight into the implementation progress. There were too many indicators and not necessarily the right ones. Decision 2009/442/EC should therefore be replaced.
- (2) Monitoring should be based on a set of indicators calculated on the basis of data collected from public authorities. These indicators will measure the implementation progress of Directive 2007/2/EC in the Member States and will be used to evaluate the success of the Directive against its objectives. Therefore, the indicators laid down in this act have been chosen according to the generic intervention logic of Directive 2007/2/EC that sets out the need to identify the spatial data needed (Article 3), to document the identified spatial data through metadata (Article 4), to ensure that the documented spatial data is accessible online through network services allowing its

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<sup>1</sup> OJ L 108, 25.4.2007, p. 1.

<sup>2</sup> Commission Decision 2009/442/EC of 5 June 2009 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards monitoring and reporting (OJ L 148, 11.6.2009, p. 18).

<sup>3</sup> SWD (2016) 273 final

<sup>4</sup> COM (2017) 312 final and SWD(2017) 230

discovery, view and download (Articles 6 and 7), and to organise the spatial data in interoperable data models with a common vocabulary (Article 5).

- (3) To minimize the administrative burden of monitoring, the indicators should be calculated based on the metadata for spatial data sets and spatial data services already created and published by Member States pursuant to Article 5 of Directive 2007/2/EC in order for the Member States not to be obliged to calculate the indicators manually and provide a list of the spatial data sets and spatial data services corresponding to the themes listed in Annexes I, II and III to Directive 2007/2/EC every year as provided for in Decision 2009/442/EC. Only metadata that are published by Member States will be taken into account when calculating the indicators for monitoring. Metadata that have not been published are not discoverable and do not contribute to the infrastructure for spatial information, hence will be omitted when calculating the indicators for monitoring.
- (4) To minimize the administrative burden of reporting, Member States should only report on those aspects of their spatial information infrastructure that have changed since the submission of the last report pursuant to Article 21(3) of Directive 2007/2/EC.
- (5) To ensure a consistent and comparable approach to the monitoring and reporting across the Union, Member States should monitor at least a common subset of spatial data sets and report on their availability, accessibility and interoperability. This common subset should be the spatial data sets already used by the Member States for the purpose of reporting under those pieces of EU environmental legislation identified in the Commission Report<sup>5</sup> “Actions to Streamline Environmental Reporting” following a comprehensive Fitness Check of reporting and monitoring of EU environment policy<sup>6</sup>.
- (6) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 22 of Directive 2007/2/EC,

HAS ADOPTED THIS DECISION:

### *Article 1*

#### *Subject matter*

This Decision lays down detailed rules on the implementation of the obligations of the Member States to monitor the implementation and use of their infrastructures for spatial information and to report to the Commission on that monitoring as set out in Article 21(1) and (2) of Directive 2007/2/EC.

### *Article 2*

#### *Common provisions for monitoring and reporting*

1. The indicators referred to in Articles [3 to 7] shall be calculated using the metadata of the spatial data sets and the spatial data services that are published by Member States through the discovery services referred to in Article 11(1)(a) of Directive 2007/2/EC.

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<sup>5</sup> COM (2017) 312 final

<sup>6</sup> SWD (2017) 230 final; the complete list appears in annex 1 of it (section 8.1 of the document).

2. Member States shall make all results of monitoring in accordance with Article 21(1) of Directive 2007/2/EC accessible to the public on the Internet or using other appropriate means of telecommunication.

### *Article 3*

#### ***Monitoring of the availability of spatial data and services***

1. The following indicators shall be used to measure the number of spatial data sets and spatial data services:
  - (a) the number of spatial data sets for which metadata exist ("DSi1,1") ;
  - (b) the number of spatial data services for which metadata exist ("DSi1,2").
2. The following indicator shall be used to measure the number of spatial data sets that are already used by the Member State for reporting to the Commission under the environmental legislation: the number of spatial data sets for which the metadata contains a keyword from a register provided by the Commission indicating that the spatial data set is used for reporting under the environmental legislation ("DSi1,3").
3. The following indicators shall be used to measure the number of the spatial data sets that respectively cover regional or national territory:
  - (a) the number of spatial data sets for which the metadata contains a keyword from a register provided by the Commission indicating that the spatial data set covers regional territory ("DSi1,4");
  - (b) the number of spatial data sets for which the metadata contains a keyword from a register provided by the Commission indicating that the spatial data set covers the national territory ("DSi1,5").

### *Article 4*

#### ***Monitoring of the conformity of metadata with Regulation (EC) No 1205/2008***

The following indicators shall be used to measure the percentage of metadata for spatial data sets and spatial data that are published by Member States through the discovery services referred to in Article 11(1)(a) of Directive 2007/2/EC that are in conformity with Commission Regulation (EC) No 1205/2008<sup>7</sup> as regards metadata:

- (a) the number of spatial data sets for which metadata are in conformity with Regulation (EC) No 1205/2008 multiplied by a hundred and divided by the number of spatial data sets for which metadata exist as given by indicator "DSi1,1" ("MDi1,1") ;
- (b) the number of spatial data services for which metadata are in conformity with Regulation (EC) No 1205/2008 multiplied by a hundred and divided by the number of spatial data services for which metadata exist as given by indicator "DSi1,2" ("MDi1,2").

<sup>7</sup>

Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata (OJ L 326, 4.12.2008, p.12).

## Article 5

### ***Monitoring of the conformity of spatial data sets with Commission Regulation (EU) No 1089/2010 on interoperability***

The following indicators shall be used to measure the percentage of spatial data sets that are in conformity with Commission Regulation (EU) No 1089/2010<sup>8</sup> as regards interoperability of spatial data sets:

- (a) the number of spatial data sets which are in conformity with Regulation (EU) No 1089/2010 multiplied by a hundred and divided by the number of spatial data sets as given by indicator "DSi1,1" ("DSi2");
- (b) the number of spatial data sets corresponding to the themes listed in Annex I to Directive 2007/2/EC which are in conformity with Regulation (EU) No 1089/2010 multiplied by a hundred and divided by the number of spatial data sets corresponding to the themes listed in that Annex ("DSi2,1");
- (c) the number of spatial data sets corresponding to the themes listed in Annex II to Directive 2007/2/EC which are in conformity with Regulation (EU) No 1089/2010 multiplied by a hundred and divided by the number of spatial data sets corresponding to the themes listed in that Annex ("DSi2,2");
- (d) the number of spatial data sets corresponding to the themes listed in Annex III to Directive 2007/2/EC which are in conformity with Regulation (EU) No 1089/2010 multiplied by a hundred and divided by the number of spatial data sets corresponding to the themes listed in that Annex ("DSi2,3").

## Article 6

### ***Monitoring of the accessibility of spatial data sets through view and download services***

The following indicators shall be used to measure the percentage of spatial data sets that are accessible through the view services referred to in point (b) Article 11(1) of Directive 2007/2/EC and through the download services referred to in point (c) of that provision :

- (a) the number of spatial data sets for which both view and download services exist multiplied by a hundred and divided by the number of spatial data sets as given by indicator DSi1,1("NSi2").
- (b) the number of spatial data sets for which a view service exists multiplied by a hundred and divided by the number of spatial data sets as given by indicator DSi1,1 ("NSi2,1");
- (c) the number of spatial data sets for which a download service exists multiplied by a hundred and divided by the total number of spatial data sets as given by indicator DSi1,1 ("NSi2,2").

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<sup>8</sup> Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services (OJ L 323 8.12.2010, p. 11).

## Article 7

### ***Monitoring of the conformity of network services with Regulation (EC) No 976/2009***

The following indicators shall be used to measure the percentage of the network services referred to in Article 11(1) of Directive 2007/2/EC that are in conformity with Commission Regulation (EC) No 976/2009<sup>9</sup> as regards the Network Services:

- (a) the number of network services which are in conformity with Regulation (EC) No 976/2009 multiplied by a hundred and divided by the total number of network services ("NSi4");
- (b) the number of discovery services which are in conformity with Regulation (EC) No 976/2009 multiplied by a hundred and divided by the total number of discovery services ("NSi4,1");
- (c) the number of view services which are in conformity with Regulation (EC) No 976/2009 multiplied by a hundred and divided by the total number of view services ("NSi4,2");
- (d) the number of download services which are in conformity with Regulation (EC) No 976/2009 multiplied by a hundred and divided by the total number of download services ("NSi4,3");
- (e) the number of transformation services which are in conformity with Regulation (EC) No 976/2009 multiplied by a hundred and divided by the total number of transformation services ("NSi4,4");

## Article 8

### ***Publication of the monitoring results***

The results of the monitoring required by Article 21(1) of Directive 2007/2/EC shall be published by 31 March of each year at the latest in respect of the status of the implementation of the infrastructure for spatial information on 15 December the preceding year. The results shall be updated at least every year.

## Article 9

### ***Updating summary reports***

Member States shall provide updated summary descriptions of the items referred to in Article 21(2) of Directive 2007/2/EC to the Commission. Only those summary descriptions shall be updated where changes have taken place since the previous submission.

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<sup>9</sup> Commission Regulation (EC) No 976/2009 of 19 October 2009 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards the Network Services (OJ L 274, 20.10.2009, p.9).

*Article 10*

***Repeal***

Decision 2009/442/EC is repealed.

*Article 11*

***Addressees***

This Decision is addressed to the Member States

Done at Brussels,

*For the Commission*

*Karmenu Vella*  
*Member of the Commission*