

Guidance to the smaller Air Navigation Service providers in demonstrating compliance with the Aeronautical Data requirements in UK Regulation (EU) 2017/373, Part ATM/ANS.OR Subpart A.

The regulations relating to the provision of Aeronautical Data say that an ANSP must collect and send the Aeronautical Data, relevant to their service provision, to the AIS Provider (NATS) within prescribed time limits. They must also have a process for sending urgent aeronautical information that may impact on flight safety (e.g., procedures for issuing NOTAM).

When collecting, processing, and sending such data there must be a process for verifying the data accuracy, checking for errors and for rectifying detected errors before being sent for publication and after publication.

The above process requirements should be documented within the management system i.e., a procedure or work instruction to which reference can be made to in the compliance matrices.

The scope of such document should be relevant to the scope of the data handled. I.e., are you the sole originator of the data you send to AIS Provider or do you collect and send data on behalf of the aerodrome operator or anybody else.

Additional guidance to ANSPs is provided in the 'Air Guide'. Link below.

Refer to 7.7 Scenario 2: Implementation by ATM/ANS Provider as Data Originator

[EUROCONTROL Guidelines Supporting the Implementation of Aeronautical Information Requirements | EUROCONTROL](#)

Compliance matrix entries.

OR.A.80 requires, as mentioned above, that there is a documented process that describes how AIP data is to be provided to the AIS Provider (NATS) and that once published it is reviewed to ensure it is correct. The relevant AIP data should be reviewed periodically anyway to ensure it remains correct. (Write it in the procedure/work instruction). In the compliance matrix refer to your procedure/work instruction.

OR.A.085 (a). Are you sending the right data? Look in CAP 1054 Annex A, the data catalogue, Where the authorised source is the ANSP this is the data that needs to be sent as applicable. It also specifies accuracy/resolution requirement for specific data. If you are sending data on behalf of the aerodrome operator these are also listed. (Include in the procedure/work instruction i.e., what needs to be sent and maintained). In the compliance matrix refer to your procedure/work instruction.

OR.A.085 (b). This is much the same as above and is just asking that you check the quality of the data before sending. Does what you are sending meet the integrity requirements of CAP 1054 Annex A where relevant. Also, important to check the quality of any data you are sending which did not originate from you. (Write it in the procedure/work instruction). In the compliance matrix refer to your procedure/work instruction.

OR.A.085 (c). This is relevant when you are processing and sending data to the AIS provider which you did not originate. When receiving such data from the originator a document called a 'formal arrangement' needs to be in place. If you are providing this type of data, then simply write in your procedure/work instruction that a formal arrangement is in place with whoever is sending you the data. The content of such a formal arrangement is described in OR.A.085 (f), the requirements for which are shown below. It should be noted that where the ANSP and the aerodrome operator are the same entity no formal arrangement is required. In the compliance matrix state that a formal arrangement is in place and who with, if applicable, or N/A as not processing data not originated by us.

OR.A.085 (d). This is similar to OR.A.085 (b) to ensure that the quality of the data you are sending meets the accuracy and integrity requirements detailed in of CAP 1054 Annex A. It is just asking for another check especially where the data has been generated manually which may be more prone to error. Again, check that any data you did not originate is free from corruption before onward transmission to the AIS Provider. The AMC goes on about stored data, if you do store data how is it protected from corruption? Possibly restricted access. (Write these checks in the procedure/work instruction. Possibly combine with the requirements of OR.A.085 (b). In the compliance matrix refer to your procedure/work instruction.

OR.A.085 (e). This is about transmitting data electronically. The process/method for transmitting data to the AIS Provider using the AURORA system should be documented in your procedure/work instruction. If you are receiving data from another party for onward transmission this should be done electronically or 'automatically' via e mail attachment without manual input. (Assume by manual input it means the content of the e mail attachment containing the AIS data is unaltered). If any such process exists, this also needs to be detailed in the procedure/work instruction.

OR.A.085 (f). Requirement OR.A.085 (c) required 'formal arrangements' to be in place with any party transmitting data to you for onward transmission to the AIS provider. A readymade template for 'formal arrangements' is available by EUROCONTROL ([ADQ Formal Arrangement Template](#)), or you can make your own as the required content is in the AMC. If applicable note in the compliance matrix that formal arrangements are in place and send the document as supporting evidence along with the procedure/work instruction.

OR.A.085 (g). This is reasonably well explained in the CM/GM. Have a look at AIS.TR.505 (a) which contains a list of data which you should consider providing to the AIS Provider, some in addition to that in CAP 1054 Annex A. Consider if any of the additional data is relevant to your operation and if it is include in list of data to be sent in the procedure/work instruction as required by OR.A.085 (a). Note in the compliance matrix that AIS.TR.505 (a) reviewed and the resulting action if any.

OR.A.085 (h). Metadata requirements. Metadata is data about data and will be required when any change to your AIP data is made. The minimum metadata required is shown as

1) the identification of the organisations or entities performing any action of originating, transmitting, or manipulating the aeronautical data is recorded via the sponsor log on to the AURORA system.

(2) the action performed by the sponsor is recorded in the email confirmation from AURORA of a received change request.

(3) the date and time the action was performed by the sponsor is recorded in the email confirmation from AURORA of a received change request.

Metadata requirements are collected as a function of the AURORA process. The system will record all inputs made by the sponsor. (Example; obstacle data changes as a result of aerodrome survey). The need and method to produce or acquire and record relevant metadata, when applicable, should be detailed in the procedure/work instruction.

In the compliance matrix simply refer to the procedure/work instruction for inputting data into the AURORA system as required by OR.A.085 (a).

OR.A.085 (i). This is tools and software. If you use any specific tools or software driven devices to process aeronautical data, you need identify them in you process/work instruction and include a process for ensuring that they are working correctly and not affecting the quality of the data. If using such equipment include the periodic testing of them to ensure accuracy in the procedure/work instruction. In the compliance matrix mark as non-applicable and indicate that no such tools exist or refer to the procedure/work instruction where such tools are in use.

OR.A.085 (j). This is about digital error detection techniques. Helpfully it does not explain what these are. It should be remembered that the regulation is transposed from the EU regulations, and it may be that EU member states may not have AURORA.

It is necessary to detail in the procedure/work instruction what AIS data you receive for onward transmission, and its format. Data received as email attachments in zip format are considered as already containing built in error detection techniques. If AIS data is received in other formats, then checking for digital error must be carried out. CAP1054, Paragraphs 5.23 to 5.31 provides a list of possible checks. If applicable, detail these checks in the procedure/work instruction.

The AURORA system has built in digital error detection techniques so the onward transmission to the AIP provider is already covered. In the compliance matrix refer to the procedure/work instruction which should contain the above requirements as applicable.

OR.A.085 (k). This is about requiring an Authorised Source. This is a person or role that has direct responsible for all aeronautical data and aeronautical data activities in the organisation, and who is ultimately accountable for providing specific aeronautical data and aeronautical information to AIS provider for publication in the AIP. This is usually the Accountable Manager, or a competent persons appointed by the Accountable Manager. The procedure/work instruction should detail who holds this post. In the compliance matrix indicate which post holds this role.

OR.A.085 (l). When any of the checks you have in place for ensuring the quality of the data provided to the AIS provider indicate that an error or corruption of the data has occurred the error or corruption needs to be corrected. The procedure/work instruction should detail the process for reporting the error, establishing the cause of the error and the resulting corrective action. In the compliance matrix refer to the procedure/work instruction.