

SDRS Field Instructions

This will provide a quick reference to assist in completing the Service Difficulty Report, FAA Form 8070-1.

The following table lists the attributes that make up the Service Difficulty Report.

Section Title	Field Name	Description
Submitter Information	Unique Control #	The operator unique control number should be composed of a total of seventeen (17) alphanumeric characters. The operator control number will always begin with the first four alphanumeric characters of the submitter's certificate number (Designator). The next eight numbers represent the date when the SDR is submitted, in the format of "YYYYMMDD". The remaining numbers represent a submitter-designed numbering system; any submitter-designed numbering system is acceptable.
Submitter Information	Difficulty Date	Enter the date the service difficulty was discovered. Submitters should use the following format: "MM/DD/YYYY". They year must contain four digits.
Submitter Information	Registration #	Enter the aircraft registration number, excluding the "N" for US registered aircraft. For Foreign-Registered aircraft, include the country code and as much of the registration number as possible.
Submitter Information	Submitter Type	Enter the code that best identifies the person/organization initiating the report. Refer to drop down table.

Submitter Information	Submitter Designator	If the report is submitted by a certificate holder, this field will be auto-filled with the designator entered by the user when they requested a user account for the application.
Codes	Operator Designator	Enter the operator designator, which is the first four alphanumeric characters of the operator's certificate number. This designator will always be the operator designator assigned to the operator of the aircraft. Therefore, an SDR submitted by a repair station on behalf of an operator should have the designator of the aircraft operator in this block. The Operator Designator is required unless the Submitter Type = 'Z' or the SDR Type = 'G'.
Codes	Operator Type	The Operator Type indicates whether the operator is General Aviation ('G') or an Air Carrier ('A'). No values besides 'G' or 'A' are allowed.
Codes	JASC/ATA Code	Enter the appropriate code selected from the Joint Aircraft System/Component (JASC) Code drop down table.
Codes	Stage of Operation	Select the two-letter code that best describes the stage of operation when the service difficulty was discovered from the drop-down table. The Stage of Operation codes are for flight and ground operations. Refer to drop-down table.
Codes	How Discovered	Select the appropriate code to indicate how the service difficulty was discovered. Refer to drop-down table.
Codes	Nature of Condition	Select one to three codes that best describe the nature of the

		condition associated with the service difficulty. These codes may be entered in an order that best describes the observed conditions. Refer to drop-down table.
Codes	Precautionary Procedures:	Select one to four codes that best describe any precautionary procedures taken by the flight crew in response to the reported service difficulty. For example, selecting codes "E," "J," and "A" signify that an engine was shut down, fuel was dumped, and an unscheduled landing was made. Refer to drop-down table.
Codes	FAA Region	This field will be auto-filled by the system but can be edited if needed.
Codes	District Office	This field will be auto-filled by the system but can be edited if needed.
Major Equipment Identity	Aircraft (Manufacturer)	Enter manufacturer. Refer to drop-down table.
Major Equipment Identity	Aircraft (Model)	Enter model. Refer to drop-down table.
Major Equipment Identity	Aircraft (Serial Number)	Enter serial number.
Major Equipment Identity	Aircraft (Total Time – hours)	Enter time.
Major Equipment Identity	Engine (Manufacturer)	Engine data is not required unless related to the service difficulty. However, if the service difficulty concerns an engine enter the manufacturer. Refer to drop-down table.
Major Equipment Identity	Engine (Model)	Enter model. Refer to drop-down table.
Major Equipment Identity	Engine Serial Number	Enter serial number
Major Equipment Identity	Engine Total Time	Enter time.
Problem Description	Problem Description	Clearly identify and describe the details of the failure, malfunction, or defect. Include descriptive details of the conditions

		concerning the part/assembly that caused the reported service difficulty. Provide any significant facts that may help reduce the recurrence of the problem and assist in the investigation. Enter any corrective action taken if available at the time of the report. For supplemental SDR's, prefix the new or modified information with "SUP".
Specific Part or Structure Causing Difficulty	Part Name	Enter the applicable name given to the part by the manufacturer. Refer to drop-down table.
Specific Part or Structure Causing Difficulty	Manufacturer's Name	Enter the name of the manufacturer of the part. Refer to drop-down table.
Specific Part or Structure Causing Difficulty	Part Number	Enter the Manufacturer's part number, not an airline/internally generated number.
Specific Part or Structure Causing Difficulty	Serial Number	Enter the manufacturer's serial number, if applicable.
Specific Part or Structure Causing Difficulty	Part Condition	Enter the part condition. Refer to the drop-down table.
Specific Part or Structure Causing Difficulty	Part/Defect Location:	Enter the location of the defect on the part or enter the part location on the aircraft, engine, or propeller as applicable. Refer to drop-down table or enter Part Location on text box.
Specific Part or Structure Causing Difficulty	Total Time	Enter time.
Specific Part or Structure Causing Difficulty	Total Cycles	Enter cycles.
Specific Part or Structure Causing Difficulty	Time Since (Hours)	Enter the time Part has been in service since its most recent overhaul, repair, or inspection. Mark the appropriate box to

		indicate whether the time indicated is since its most recent overhaul, repair, or inspection.
Component/Assembly that includes Defective Part	Component Name:	Enter the Component Name
Component/Assembly that includes Defective Part	Manufacturer's Name	Enter the Manufacturer's part number.
Component/Assembly that includes Defective Part	Part Number	Enter the Part Number.
Component/Assembly that includes Defective Part	Serial Number	Enter the Serial Number.
Component/Assembly that includes Defective Part	Model Number	Enter the Model Number.
Component/Assembly that includes Defective Part	Location	Indicate the location of the component/assembly.
Component/Assembly that includes Defective Part	Total Time (hours)	Enter the total time in whole hours of the component/assembly.
Component/Assembly that includes Defective Part	Total Cycles	If applicable, enter the component/assembly total cycles
Component/Assembly that includes Defective Part	Time Since	Enter the time in whole hours that the component/assembly has been in service since its most recent overhaul, repair, or inspection. Mark the appropriate box to indicate whether the time indicated is since its most recent overhaul, repair, or inspection.
Structure Causing Difficulty	Body or Fuselage Station (From/At – To)	Not required to enter information. Field will be removed in the future.
Structure Causing Difficulty	Waterline (From/At – To)	Not required to enter information. Field will be removed in the future.
Structure Causing Difficulty	Crack Length (inches)	Not required to enter information. Field will be removed in the future.
Structure Causing Difficulty	Number of Cracks	Not required to enter information. Field will be removed in the future.

Structure Causing Difficulty	Stringer (From/At) Left/Right	Not required to enter information. Field will be removed in the future.
Structure Causing Difficulty	Butt Line (From/At) Left/Right	Not required to enter information. Field will be removed in the future.
Structure Causing Difficulty	Wing Station (From/At) Left/Right	Not required to enter information. Field will be removed in the future.

Service Difficulty Reporting System

This will provide a quick reference to assist in completing the Malfunction or Defect Report, FAA Form 8010-4.

The following table lists the attributes that make up the Malfunction or Defect Report.

Section Title	Field Name	Description
Submitter Information	Unique Control #	Auto-generated number.
Submitter Information	Difficulty Date	Enter the date the service difficulty was discovered. Submitters should use the following format: "MM/DD/YYYY". The year must contain four digits.
Submitter Information	Registration #	Enter the aircraft registration number, excluding the "N" for US registered aircraft. For Foreign-Registered aircraft, include the country code and as much of the registration number as possible.
Submitter Information	Submitter Type	Enter the code that best identifies the person/organization initiating the report. Refer to drop down table.
Submitter Information	Submitter Designator	If the report is submitted by a certificate holder, this field will be auto-filled with the designator entered by the user when they requested a user account for the application.
Codes	Operator Designator	N/A
Codes	Operator Type	The Operator Type indicates whether the operator is General

		Aviation ('G') or an Air Carrier ('A'). No values besides 'G' or 'A' are allowed.
Codes	JASC/ATA Code	Enter the appropriate code selected from the Joint Aircraft System/Component (JASC) Code drop down table.
Codes	Stage of Operation	Select the two-letter code that best describes the stage of operation when the service difficulty was discovered from the drop-down table. The Stage of Operation codes are for flight and ground operations. Refer to drop-down table.
Codes	How Discovered	Select the appropriate code to indicate how the service difficulty was discovered. Refer to drop-down table.
Codes	Nature of Condition	Select one to three codes that best describe the nature of the condition associated with the service difficulty. These codes may be entered in an order that best describes the observed conditions. Refer to drop-down table.
Codes	Precautionary Procedures:	Select one to four codes that best describe any precautionary procedures taken by the flight crew in response to the reported service difficulty. For example, selecting codes "E," "J," and "A" signify that an engine was shut down, fuel was dumped, and an unscheduled landing was made. Refer to drop-down table.
Codes	FAA Region	This field will be auto-filled by the system but can be edited if needed.
Codes	District Office	This field will be auto-filled by the system but can be edited if needed.
Codes	Flight Number	N/A
Major Equipment Identity	Aircraft (Manufacturer)	Enter manufacturer. Refer to drop-down table.

Major Equipment Identity	Aircraft (Model)	Enter model. Refer to drop-down table.
Major Equipment Identity	Aircraft (Serial Number)	Enter serial number.
Major Equipment Identity	Aircraft (Total Time – hours)	Enter time.
Major Equipment Identity	Engine (Manufacturer)	Engine data is not required unless related to the service difficulty. However, if the service difficulty concerns an engine enter the manufacturer. Refer to drop-down table.
Major Equipment Identity	Engine (Model)	Enter model. Refer to drop-down table.
Major Equipment Identity	Engine Serial Number	Enter serial number
Major Equipment Identity	Engine Total Time	Enter time.
Problem Description	Problem Description	Clearly identify and describe the details of the failure, malfunction, or defect. Include descriptive details of the conditions concerning the part/assembly that caused the reported service difficulty. Provide any significant facts that may help reduce the recurrence of the problem and assist in the investigation. Enter any corrective action taken if available at the time of the report. For supplemental SDR's, prefix the new or modified information with "SUP".
Specific Part or Structure Causing Difficulty	Part Name	Enter the applicable name given to the part by the manufacturer. Refer to drop-down table.
Specific Part or Structure Causing Difficulty	Manufacturer's Name	Enter the name of the manufacturer of the part. Refer to drop-down table.
Specific Part or Structure Causing Difficulty	Part Number	Enter the Manufacturer's part number, not an airline/internally generated number.

Specific Part or Structure Causing Difficulty	Serial Number	Enter the manufacturer's serial number, if applicable.
Specific Part or Structure Causing Difficulty	Part Condition	Enter the part condition. Refer to the drop-down table.
Specific Part or Structure Causing Difficulty	Part/Defect Location:	Enter the location of the defect on the part or enter the part location on the aircraft, engine, or propeller as applicable. Refer to drop-down table or enter Part Location on text box.
Specific Part or Structure Causing Difficulty	Total Time	Enter time.
Specific Part or Structure Causing Difficulty	Total Cycles	Enter cycles.
Specific Part or Structure Causing Difficulty	Time Since (Hours)	Enter the time Part has been in service since its most recent overhaul, repair, or inspection. Mark the appropriate box to indicate whether the time indicated is since its most recent overhaul, repair, or inspection.
Component/Assembly that includes Defective Part	Component Name:	Enter the Component Name
Component/Assembly that includes Defective Part	Manufacturer's Name	Enter the Manufacturer's part number.
Component/Assembly that includes Defective Part	Part Number	Enter the Part Number.
Component/Assembly that includes Defective Part	Serial Number	Enter the Serial Number.
Component/Assembly that includes Defective Part	Model Number	Enter the Model Number.
Component/Assembly that includes Defective Part	Location	Indicate the location of the component/assembly.

Component/Assembly that includes Defective Part	Total Time (hours)	Enter the total time in whole hours of the component/assembly.
Component/Assembly that includes Defective Part	Total Cycles	If applicable, enter the component/assembly total cycles
Component/Assembly that includes Defective Part	Time Since	Enter the time in whole hours that the component/assembly has been in service since its most recent overhaul, repair, or inspection. Mark the appropriate box to indicate whether the time indicated is since its most recent overhaul, repair, or inspection.
Submitted By	Name	Enter name (Voluntary). Information will not be saved when report is processed.
Submitted By	Telephone	Enter telephone number (Voluntary). Information will not be saved when report is processed.
Submitted By	Email Address	Enter email address. (Voluntary). Information will not be saved when report is processed.