



Course Code	EDU-CAT-E-EHF-F
Brand & Release	CATIA V5R17
Duration	1 day
Language	English
Level	Fundamentals
Method	ILT

### Training Material References

Instructor Foils: EDU-CAT-E-EHF-FI-V5R17  
Foils: EDU-CAT-E-EHF-FF-V5R17  
Exercises: EDU-CAT-E-EHF-FX-V5R17

### Objectives

In this course you will learn how to flatten an electrical or geometrical harness integrated within the DMU and how to modify the bundle segments of the harness to fit your drawing in order to build the harness documentation

### Participants' Profile

Electrical V5 users

### Prerequisites

PRO-F: CATIA Tools for Proficient Users  
EHI-F: Electrical Harness Installation  
ELB-F: Electrical Librarian

### Content

Introduction to Harness Flattening  
Harness Flattening parameters  
Extracting data  
Harness flattening modifications  
Synchronize  
Links visualization  
Reports  
Drawing  
Catalog text template creation  
Graphic Replacement

### Exercises

Ex. 1: Harness Documentation / Electronics & Electrical  
Ex. 2: Harness Flattening / Electronics & Electrical  
Ex. 3: Harness Documentation (2) / Electronics & Electrical  
Ex. 4: Harness Flattening (2) / Electronics & Electrical



Course Code	EDU-CAT-E-ELI-F
Brand & Release	CATIA V5R17
Duration	2 days
Language	English
Level	Fundamentals
Method	ILT

Training Material References

Instructor Foils: EDU-CAT-E-ELI-FI-V5R17 Foils: EDU-CAT-E-ELI-FF-V5R17 Exercises: EDU-CAT-E-ELI-FX-V5R17
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Objectives

In this course you will learn how to build and manage an electrical components catalog, to design a harness integrated within the DMU and then connect the bundle segments to electrical components.
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Participants' Profile

New Electrical V5 users
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Prerequisites

Catalog Editor part Design CATIA V5 basics (mandatory)
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Content

<ul style="list-style-type: none"> <li>Introduction to Electrical Librarian</li> <li>Electrical Componentas Definition</li> <li>Electrical Librarian Catalog Management</li> <li>Electrical Assemblies</li> <li>Introduction to Electrical Harness Installation</li> <li>Electrical Harness Settings</li> <li>Geometric Bundle definition</li> <li>Position Electrical Devices</li> <li>Bundle segment Definition</li> <li>Managing a Branch Point</li> <li>Delete Branch</li> <li>Split a Bundle segment</li> <li>Transfer Branches</li> <li>Instantiate a protection</li> <li>Adjust Diameter</li> <li>Links Management</li> <li>Local slack management</li> <li>Support Management</li> <li>Measure geometrical bundle inertia</li> <li>V4/V5 Migration</li> <li>Wires Management</li> <li>Importing electrical external data for 3D implementation</li> </ul>
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What is new in this release

New course built from the V5R16 Electrical Librarian and Electrical Harness Installation courses
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## Exercises

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- Ex. 1: Creating a catalog (10min) / All sectors
- Ex. 2: Defining a set of electrical components (40min) / All sectors
- Ex. 3: Store components in a catalog (15min) / All sectors
- Ex. 4: Define an assembly with the components from the catalog (15min) / All sectors
- Ex. 5: Create a protection and store it into a catalog (15min) / All sectors
- Ex. 6: Bundle Segment Definition (15min) / All sectors
- Ex. 7: Create an adaptative support and position Bundle Segment (30min) / All sectors
- Ex. 8: Link a bundle segment (10min) / All sectors
- Ex. 9: Add a Support to a Bundle Segment (5min) / All sectors
- Ex. 10: Add Local Slack to Bundle Segment portion (5min) / All sectors
- Ex. 11: Manage the bundle segment section (30min) / All sectors
- Ex. 12: Transfer Branches (15min) / All sectors
- Ex. 13: Instantiate a Protection (15min) / All sectors
- Ex. 14: Adjusts Diameter (10min) / All sectors
- Ex. 15: Split a Bundle Segment (10min) / All sectors
- Ex. 16: Define a Bundle Segment (20min) / All sectors
- Ex. 17: Harness Design / All sectors
- Ex. 18: Geometrical bundle inertia / All sectors
- Ex. 19: Knowledge (20min) / All sectors
- Ex. 20: External Data (30min) / All sectors
- Ex. 21: Electrical Harness installation / All sectors
- Ex. 22: Car Door / All sectors



Course Code	EDU-CAT-E-EWR-F
Brand & Release	CATIA V5R17
Duration	0.5 day
Language	English
Level	Fundamentals
Method	ILT

### Training Material References

	Instructor Foils: EDU-CAT-E-EWR-FI-V5R17 Foils: EDU-CAT-E-EWR-FF-V5R17 Exercises: EDU-CAT-E-EWR-FX-V5R17
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### Objectives

	At the end of this course, participants will be able to: <ul style="list-style-type: none"><li>- Route wires in a harness.</li><li>- Route signals in space reservation system</li><li>- Use knowledgeware for segregation rules</li></ul>
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### Participants' Profile

	New V5 CATIA electrical users
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### Prerequisites

	CATIA V5 Part Design CATIA V5 Assembly Design
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### Content

	Introduction to Electrical Wire Routing Import External Data Wires Management
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### Exercises

	Ex. 1: External Data Exchange (60min) / All sectors Ex. 2: External Data (60min) / All sectors Ex. 3: External Data Exchange (60min) / All sectors
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