

"A day in the life of the S-Series"

International specification for **technical publications**
using a common source database

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Title: Expert Tech Pub Processes & Specifications, Technical Information

Organization: 

ILS S-Series Spec Day

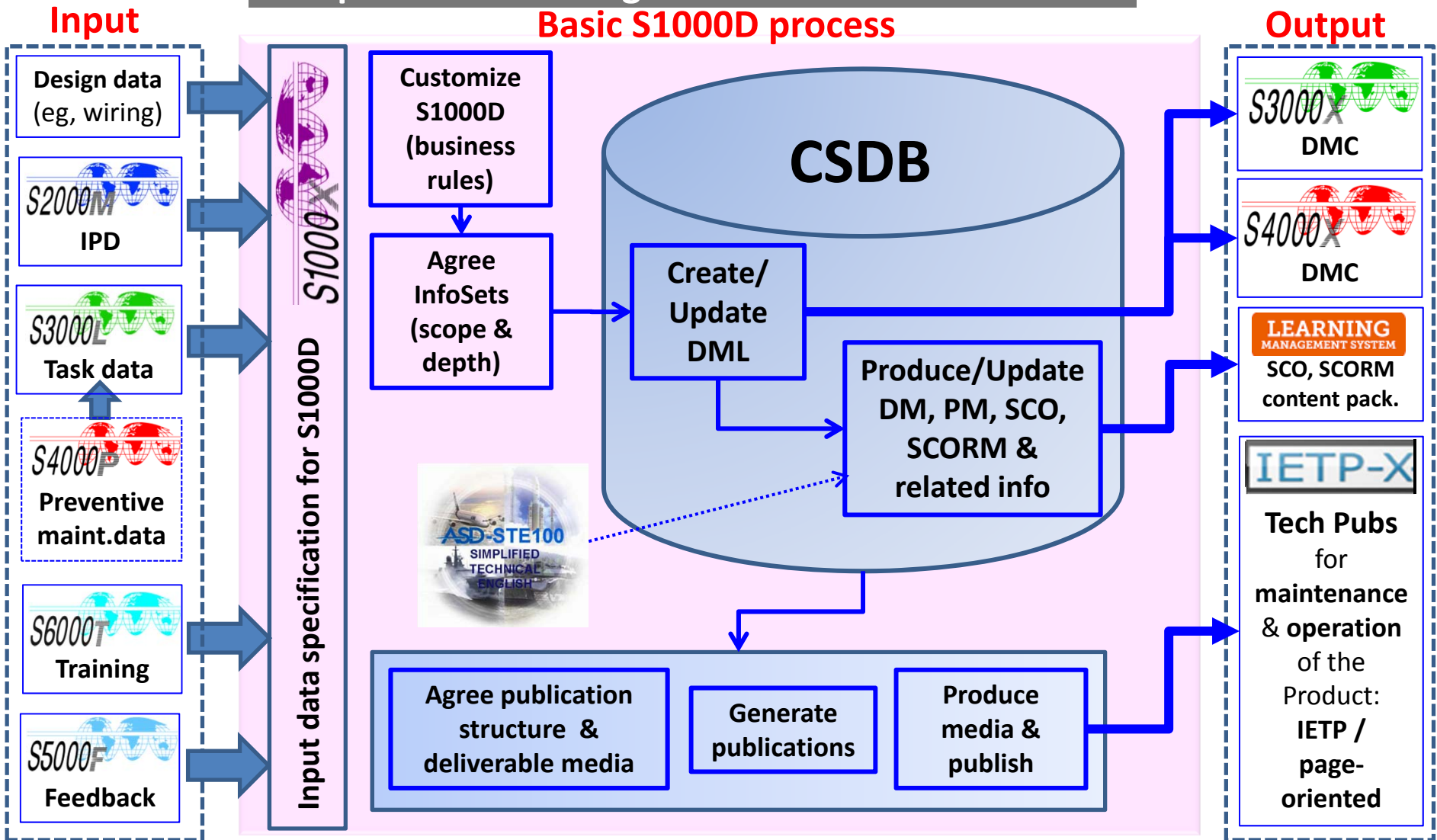
September 24, 2015

Agenda

- **Basic S1000D process - Input / Output**
- **Documentation process & chapter structure**
- **Bicycle brake system - Product breakdown**
- **Bicycle brake system - Input data requirement examples**
- **More information needed?**
- **Abbreviations**
- **The End**

International specification for technical publications using a common source database

Basic S1000D process



Documentation process & chapter structure

Source data



- Maintenance concept
- Product breakdown
- Maintenance planning
- Maintenance tasks



- Illustrated parts information

Design data

- Product descriptions
- 3D models / 2D drawings
- Operational information



- Training docu needs



- Comments

Customize S1000D
(business rules)

Agree information sets
(scope & depth)

Create/Update DML

Produce/Update DM, PM, SCO, SCORM & related information

Agree publication structure

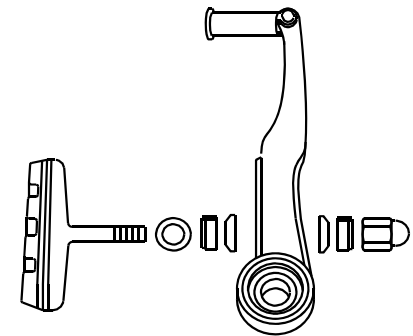
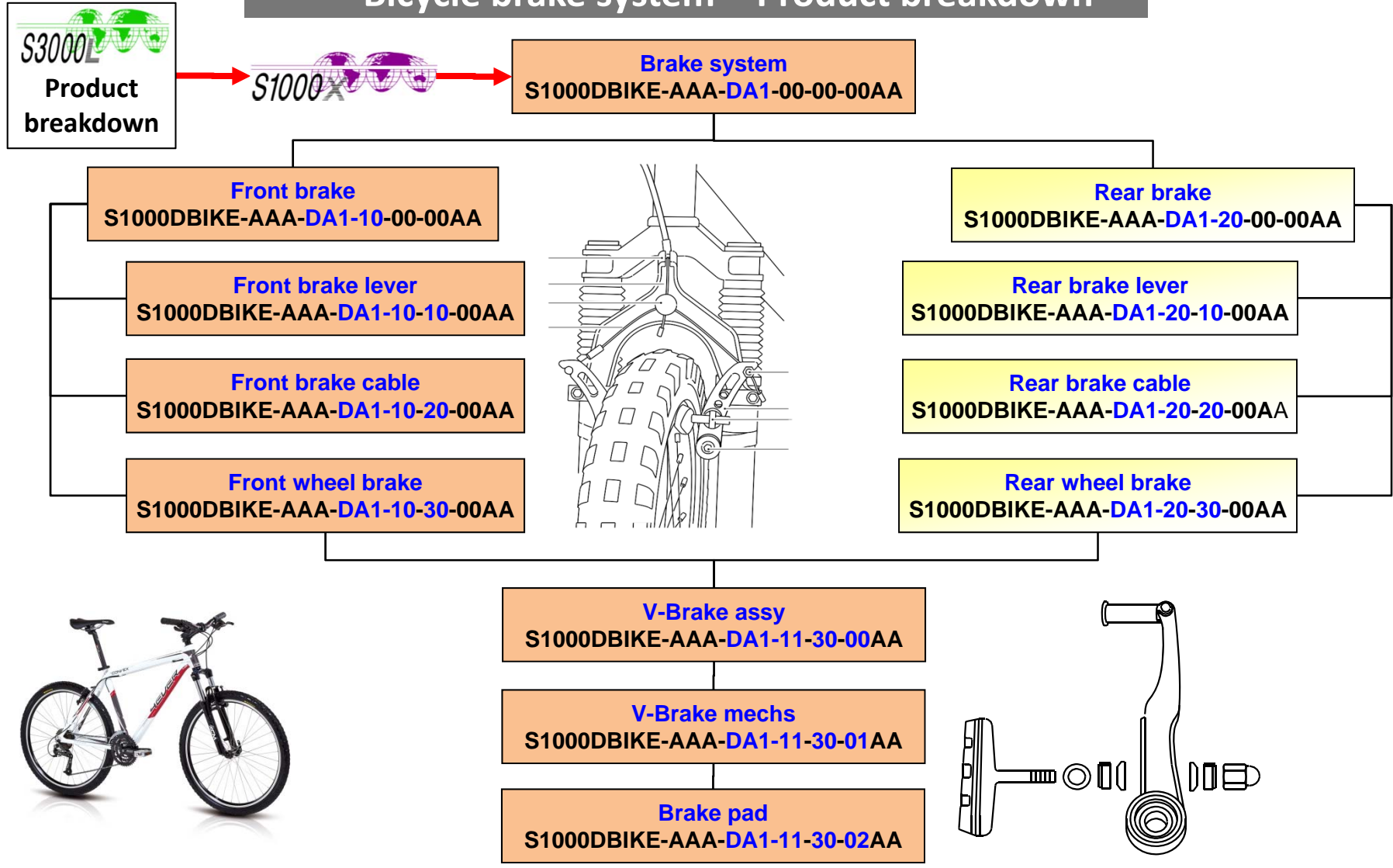
Generate publications

Produce media & publish

Chapter 1	Introduction
Chapter 2	Documentation process
Chapter 5	Information sets & publications
Chapter 4	Information management
Chapter 8	SNS & information codes
Chapter 3	Information generation
Chapter 6	Information presentation/use
Chapter 7	Information processing
Chapter 9	Terms & data dictionary

Hardware/System identification

Bicycle brake system - Product breakdown



Bicycle brake system - Input data requirement examples (1)



Bicycle - Illustrated parts data
S1000DBIKE-AAA-D00-00-00-01AA-941A-D

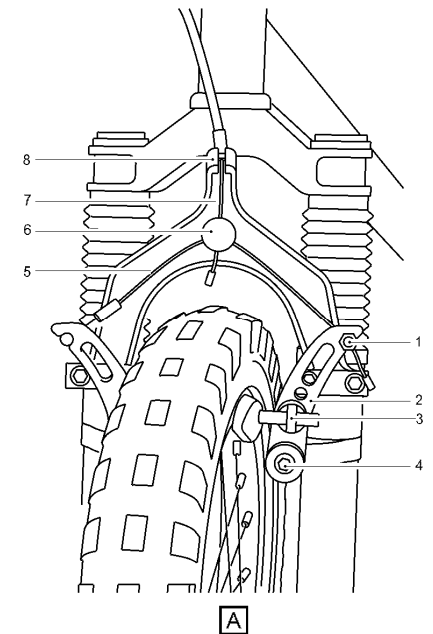
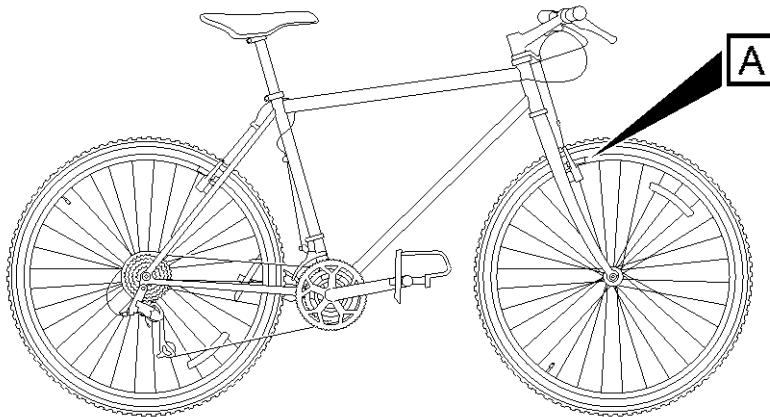
Includes front wheel brake illustrated parts info such as

- partNumber: VF-10001 - Brake
- partNumber: BP-2500016 - Pad

Design data

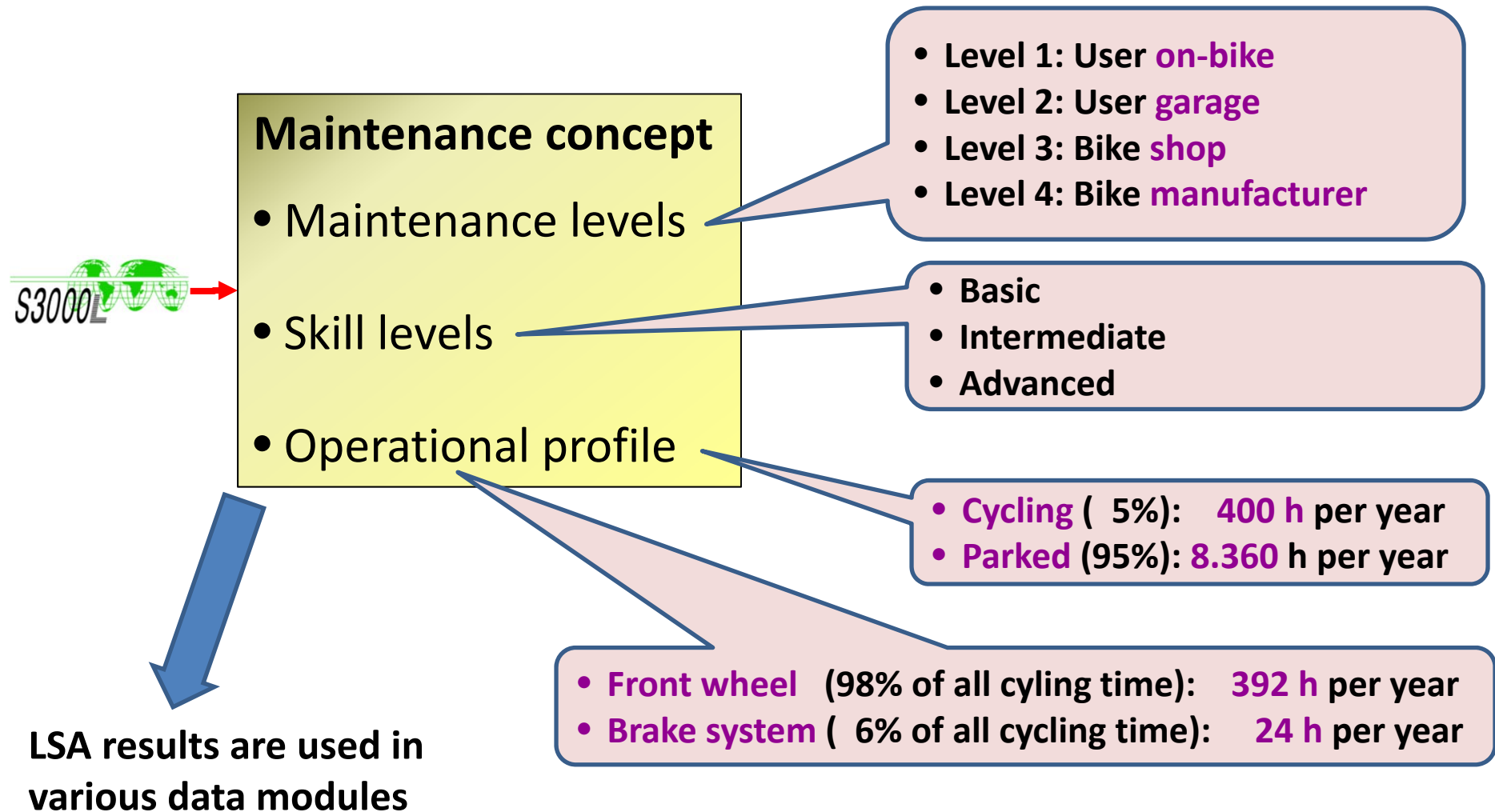
Front brake - Description of how it is made
S1000DBIKE-AAA-DA1-10-00-00AA-041A-D

Detailed front brake description including associated illustrations

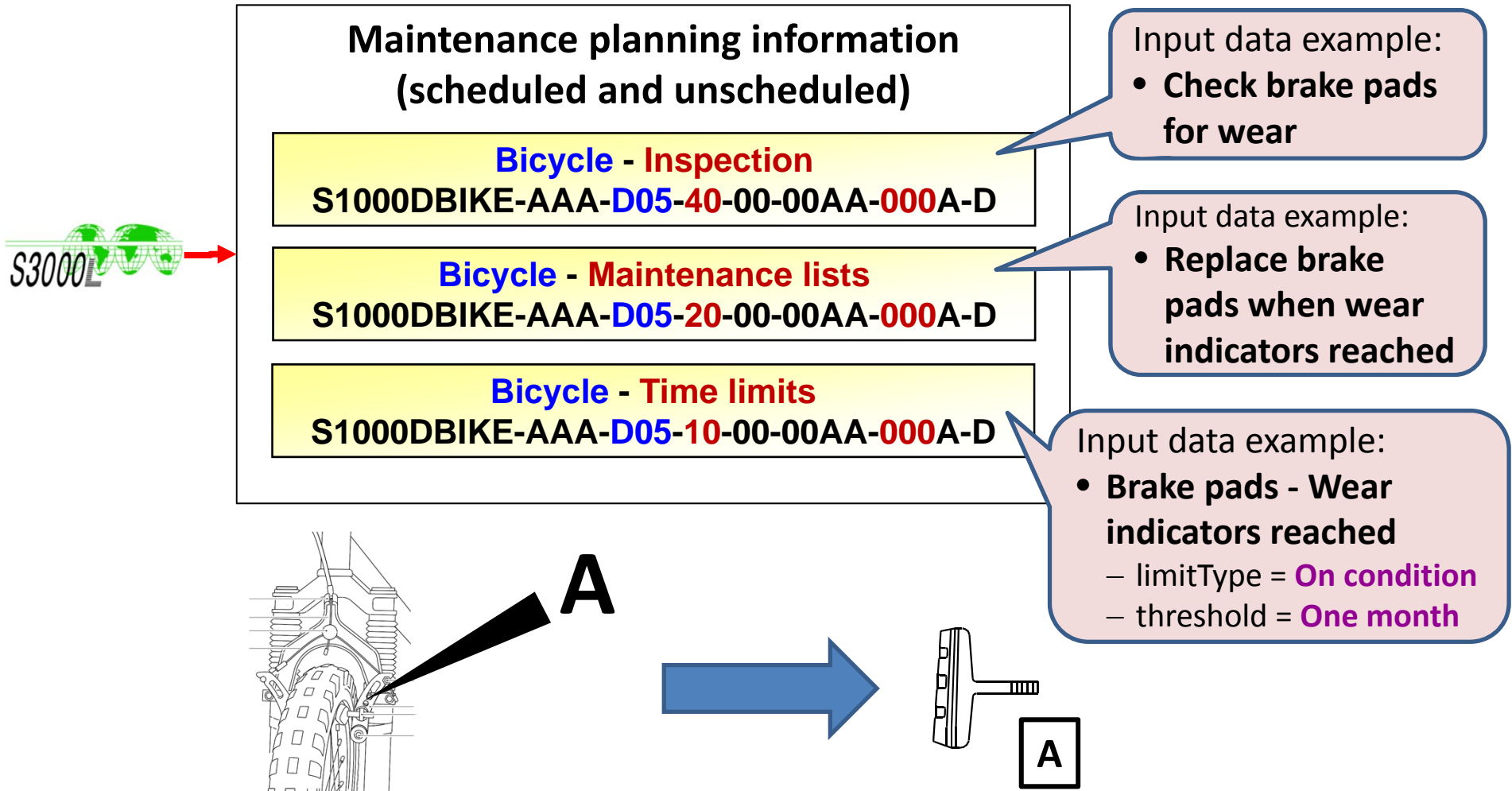


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Bicycle brake system - Input data requirement examples (2)



Bicycle brake system - Input data requirement examples (3)



Bicycle brake system - Input data requirement examples (4)



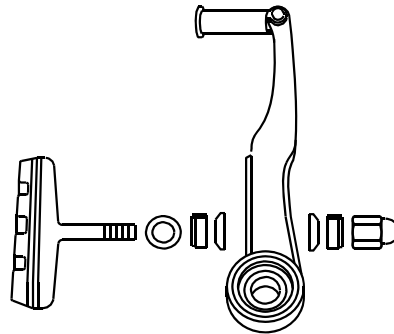
Maintenance task: Replace front brake assy

Front brake - Remove procedures
 S1000DBIKE-AAA-DA1-10-00-00AA-520A-A

Front brake - Install procedures
 S1000DBIKE-AAA-DA1-10-00-00AA-720A-A

Brake system - Manual test
 S1000DBIKE-AAA-DA1-00-00-00AA-341A-A

- Maintenance level: **2 (garage)**
- Required conditions:
Hold bike secure for easy work
- Required persons: **2**
- Skill levels:
A - Basic, B - Intermediate
- Estimated time: **1,5 h**
- Required support equipment:
Allen key 3 mm
Philips screwdriver #2
- Required supplies:
Cleaner liquid
Lubricate oil
Paper
- Required spares:
1 front brake assy (VF-10001)
2 brake pads (BP-2500016)



Bicycle brake system - Input data requirement examples (5)



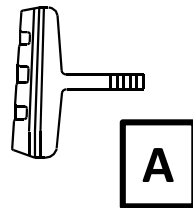
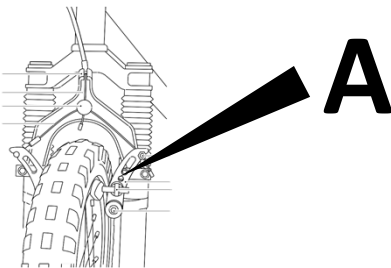
Fault reporting, fault isolation and repair

<p>Front brake - Observed fault S1000DBIKE-AAA-DA1-10-00-00AA-413A-A</p>
<p>Brake pad - Isolated fault S1000DBIKE-AAA-DA1-11-30-02AA-411A-A</p>
<p>Brake pad - Change = Remove and install a new item S1000DBIKE-AAA-DA1-11-30-02AA-921A-A</p>

Observed fault:
Loss of front braking force

Isolated faults:
Brake pads worn
(or: Brake pads misaligned)

Repair:
Replace brake pads
Mean time to repair = 0,3 h



More information needed?

- **Please visit:** www.s1000d.org
- **Please contact either:** <http://public.s1000d.org/Pages/ContactUs.aspx>
 - or:** sc-chair@members.s1000d.org
 - or:** council-chair@members.s1000d.org
- **Download a free copy of S1000D:**
<http://public.s1000d.org/Downloads/Pages/S1000DDownloads.aspx>

Abbreviations

- **CSDB** Common Source **DataBase**
- **DM** **Data Module**
- **DMC** **Data Module Code**
- **DML** **Data Management List**
- **DMRL** **Data Management Requirement List**
- **iaw** in accordance **with**
- **IETP** **Interactive Electronic Technical Publication**
- **IPD** **Illustrated Parts Data**
- **LSA** **Logistics Support Analysis**
- **PM** **Publication Module**
- **PNR** **Part Number**
- **SCO** **Sharable Content Object**
- **SCORM** **Sharable Content Object Reference Model**
- **SNS** **Standard Numbering System**

Thank you for your attention!

Questions?



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