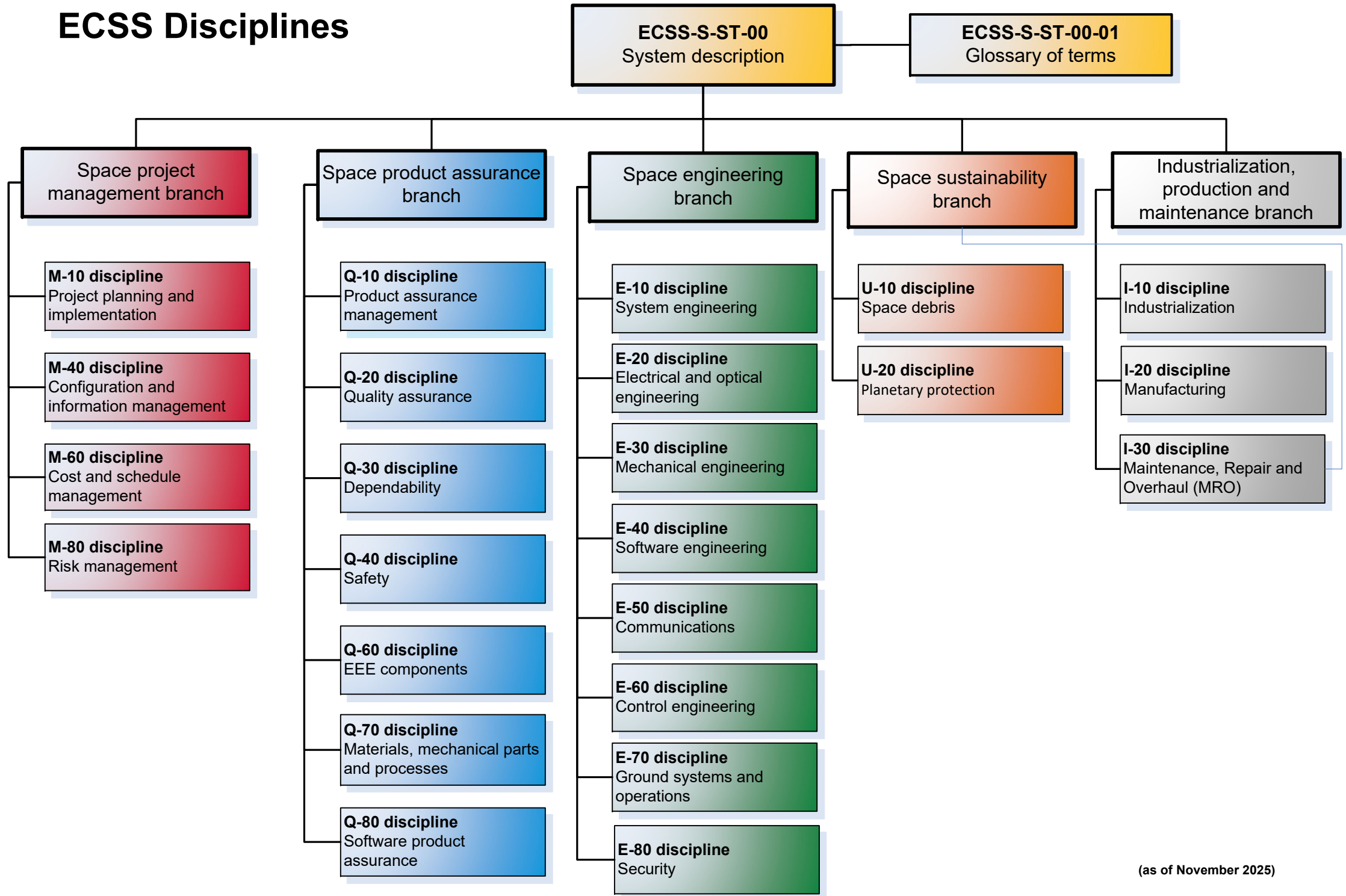


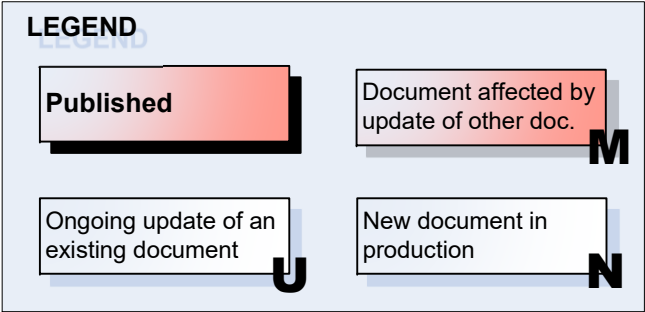
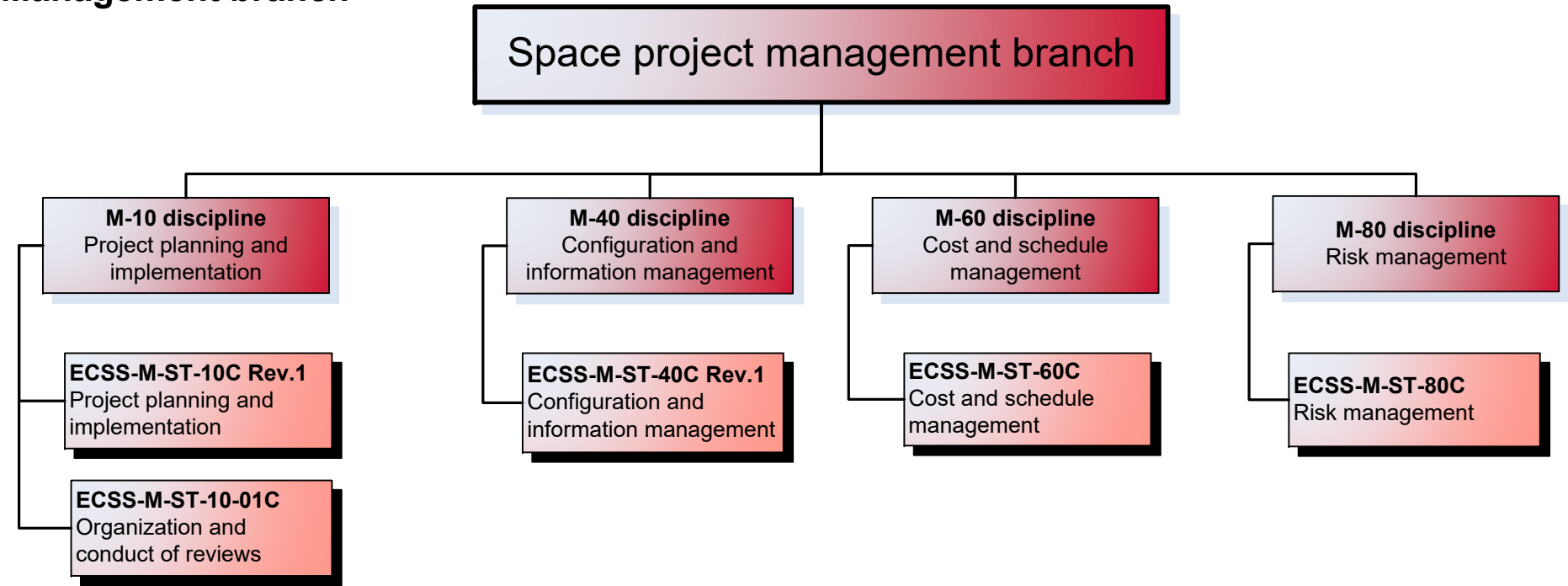
ECSS Disciplines



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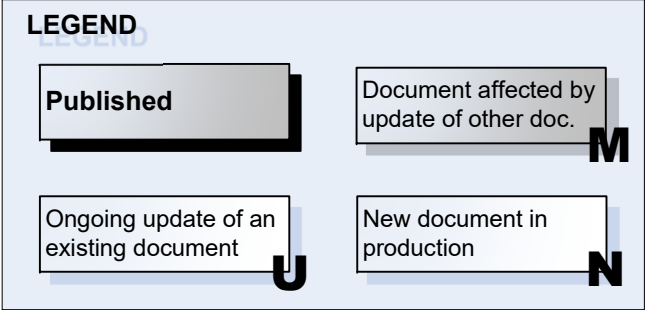
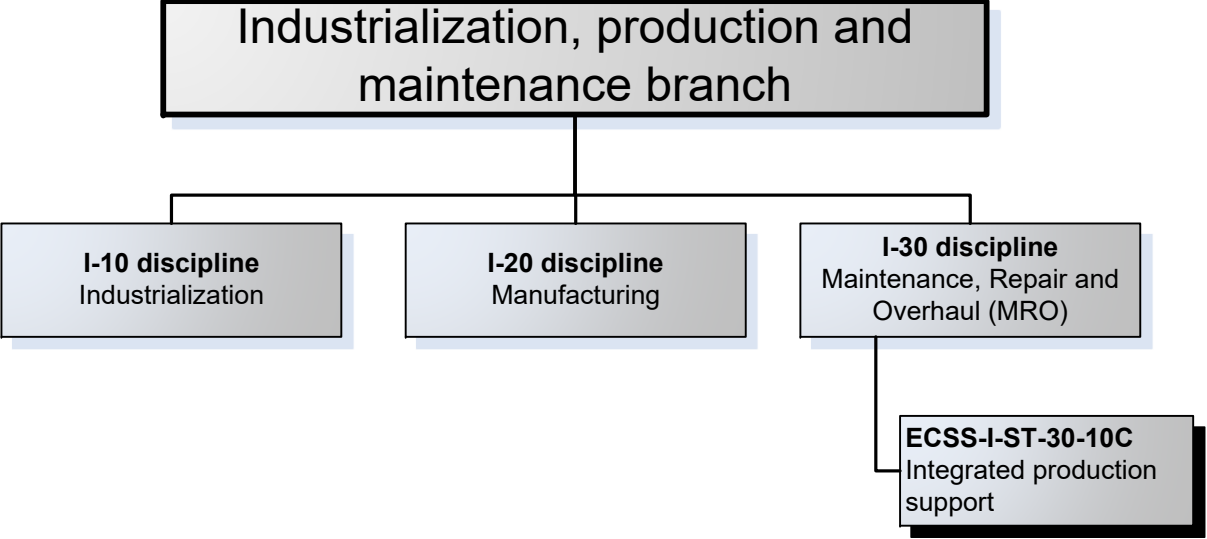
ECSS Standards

Management branch



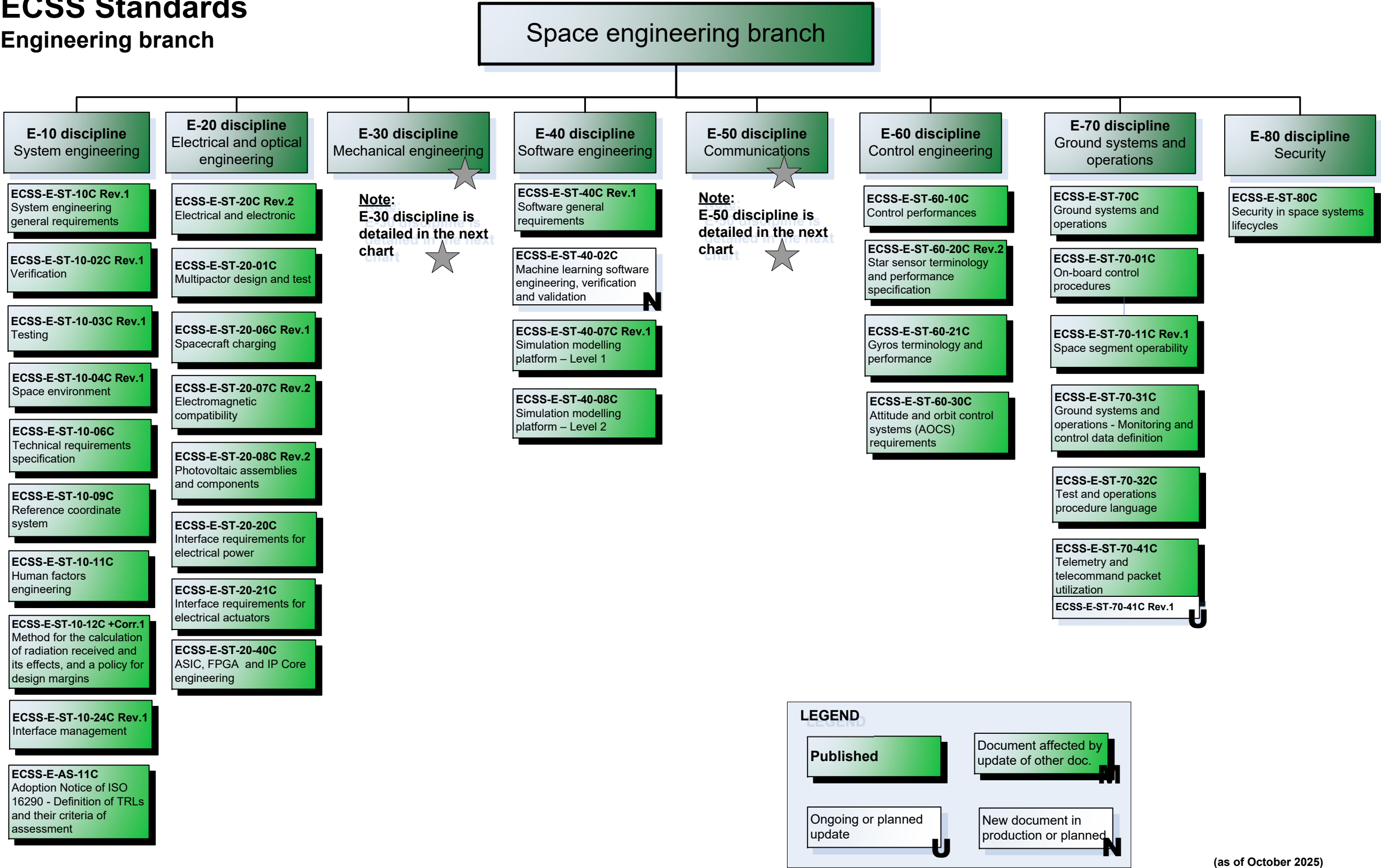
ECSS Standards

Industrialization branch



ECSS Standards

Engineering branch



E-30 discipline Mechanical engineering

ECSS-E-ST-31C
Thermal control general requirements

ECSS-E-ST-32C Rev.1
Structural general requirements

ECSS-E-ST-33-01C Rev.2
Mechanisms

ECSS-E-ST-34C
Environmental control and life support

ECSS-E-ST-35C Rev.1
Propulsion general requirements

ECSS-E-ST-31-02C Rev.1
Two-phase heat transport equipment

ECSS-E-ST-32-01C Rev.2
Fracture control

ECSS-E-ST-33-11C Rev.1
Explosive subsystems and devices

ECSS-E-ST-35-01C
Liquid and electric propulsion for spacecraft

ECSS-E-ST-31-04C
Exchange of thermal analysis data

ECSS-E-ST-32-02C Rev.2
Structural design and verification of pressurized hardware

ECSS-E-ST-35-02C
Solid propulsion for spacecraft and launchers

ECSS-E-ST-32-03C
Structural finite element models

ECSS-E-ST-35-03C
Liquid propulsion for launchers

ECSS-E-ST-32-08C Rev.1
Materials

ECSS-E-ST-35-06C Rev.2
Cleanliness requirements for spacecraft propulsion hardware

ECSS-E-ST-32-10C Rev.2
Structural factors of safety for spaceflight hardware

ECSS-E-ST-35-10C
Compatibility testing for liquid propulsion systems

ECSS-E-ST-32-11C
Modal survey assessment

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Ongoing or planned update

New document in production

E-50 discipline Communications

ECSS-E-ST-50C Rev.2
Communications

ECSS-E-ST-50-11C
SpaceFibre – Very high-speed
serial link

ECSS-E-ST-50-51C
SpaceWire protocol identification

ECSS-E-ST-50-02C
Ranging and Doppler tracking

ECSS-E-ST-50-12C Rev.1
SpaceWire - Links, nodes, routers
and networks

ECSS-E-ST-50-52C
SpaceWire - Remote memory
access protocol

ECSS-E-ST-50-05C Rev.2
Radio frequency and modulation

ECSS-E-ST-50-13C
Interface and communication
protocol for Mil std 1553B

ECSS-E-ST-50-53C
SpaceWire - CCSDS packet
transfer protocol

ECSS-E-AS-50-21C Rev.2
Adoption Notice of CCSDS
131.0-B-5, TM Synchronization
and Channel Coding

ECSS-E-ST-50-14C
Spacecraft discrete interfaces

ECSS-E-AS-50-22C Rev.1
Adoption Notice of CCSDS
132.0-B-3, TM Space Data Link
Protocol

ECSS-E-ST-50-15C
CAN bus extension protocol

ECSS-E-AS-50-23C Rev.1
Adoption Notice of CCSDS
732.0-B-4, AOS Space Data Link
Protocol

ECSS-E-ST-50-16
Time-triggered ethernet (TTE)

ECSS-E-AS-50-24C Rev.1
Adoption Notice of CCSDS
231.0-B-4, TC Synchronization
and Channel Coding

ECSS-E-AS-50-25C Rev.1
Adoption Notice of CCSDS
232.0-B-4, TC Space Data Link
Protocol

ECSS-E-AS-50-26C
Adoption Notice of CCSDS
232.1-B-2, Communications
Operation Procedure-1

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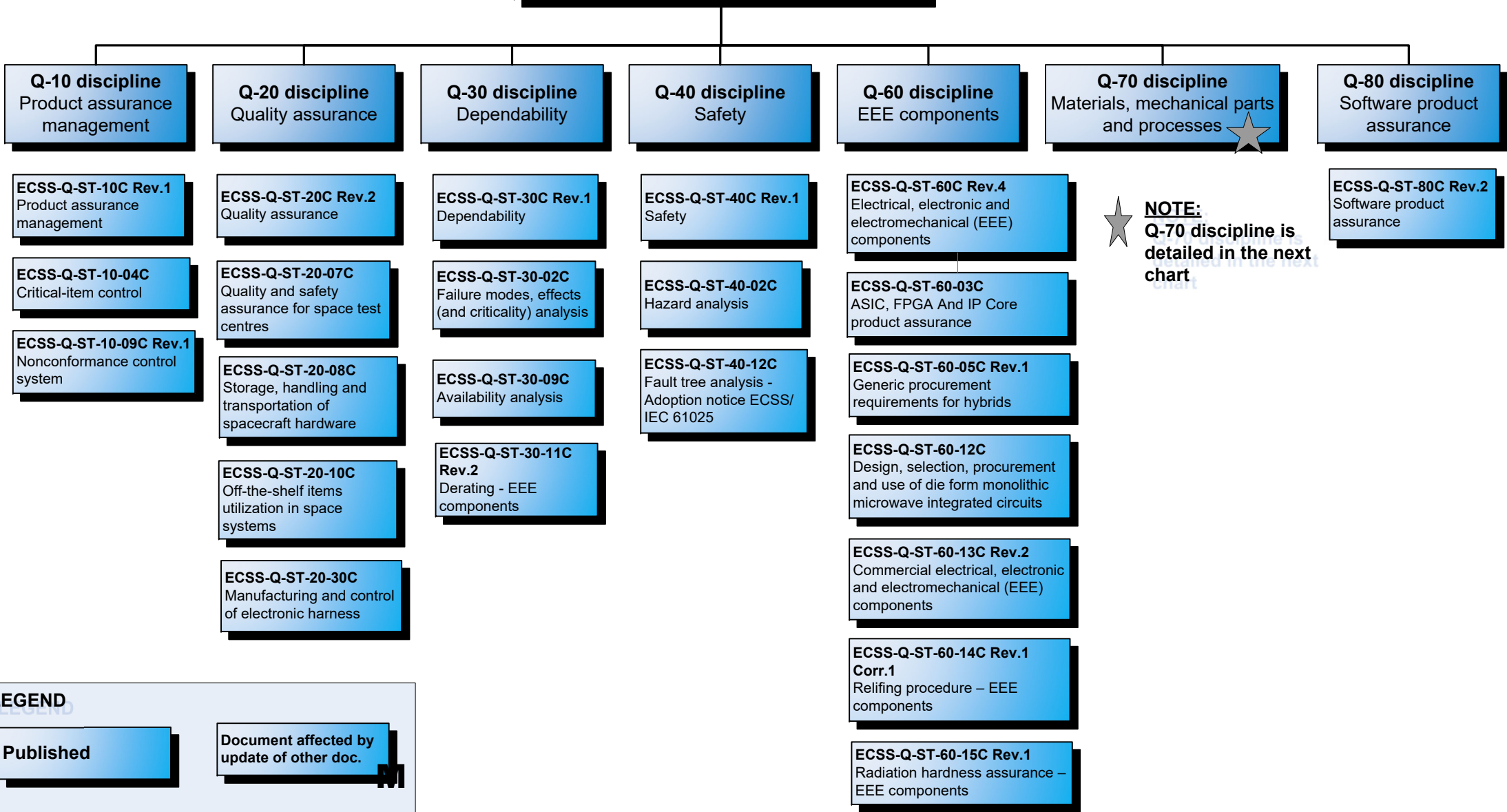
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ECSS Standards

Product assurance branch

Space product assurance branch



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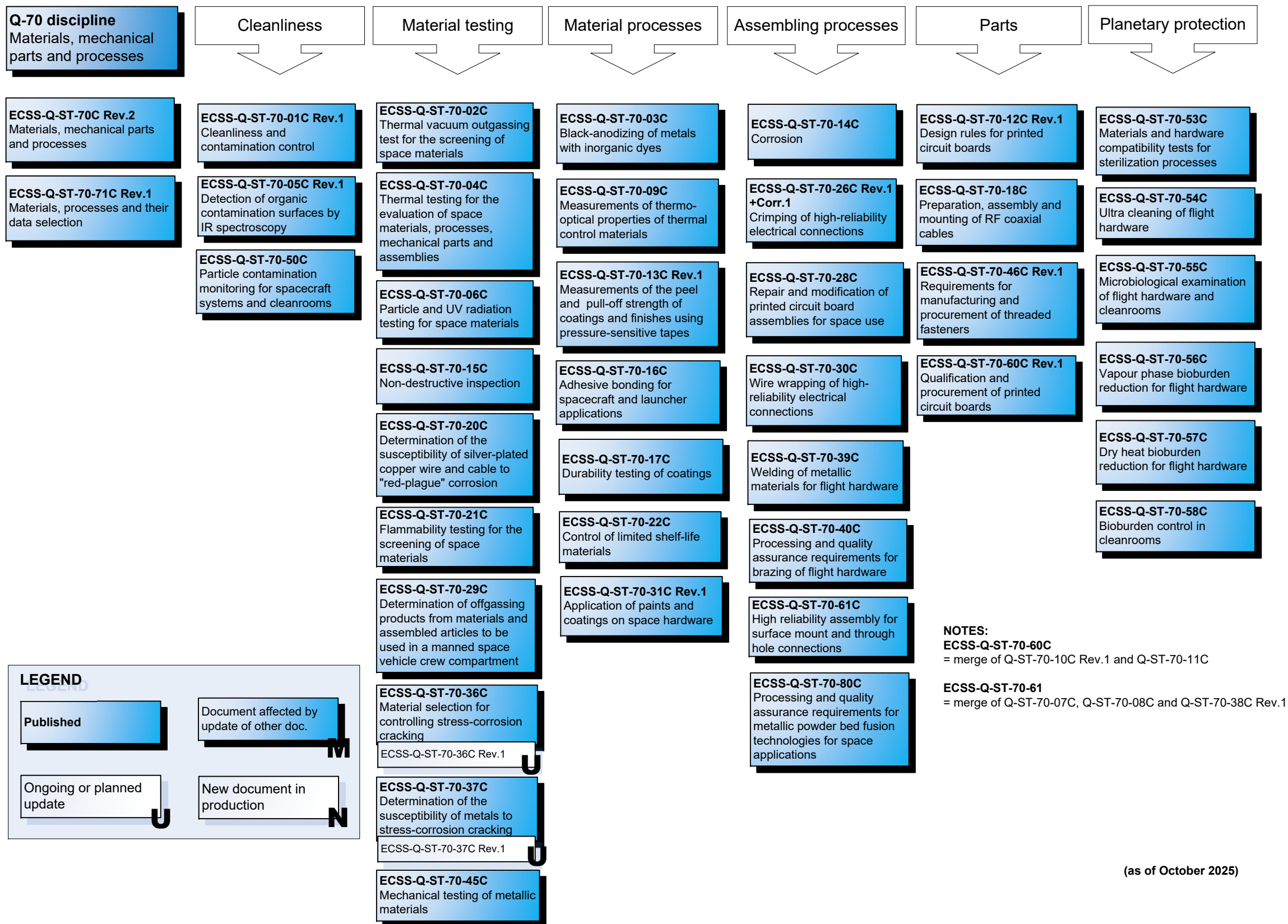
Published

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Ongoing update of an existing document

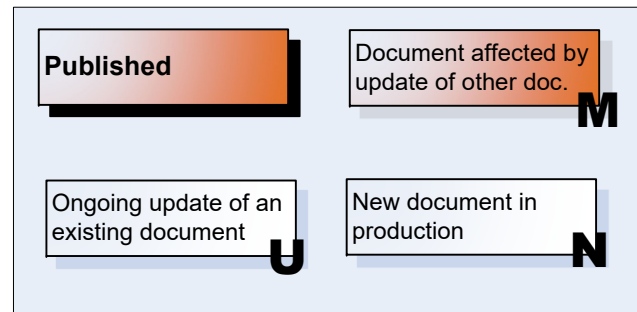
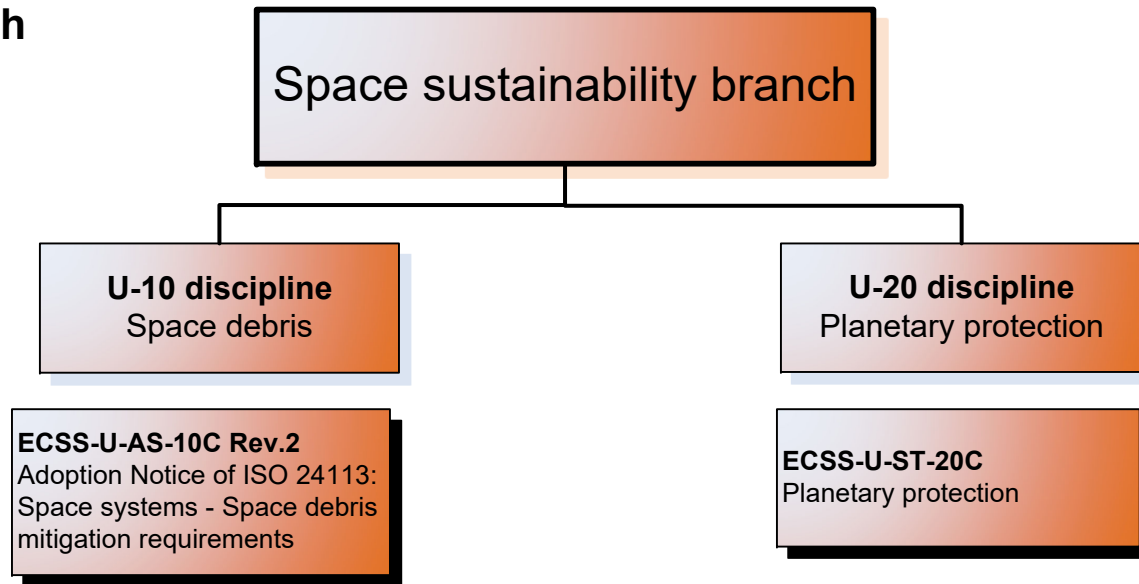
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ECSS Standards

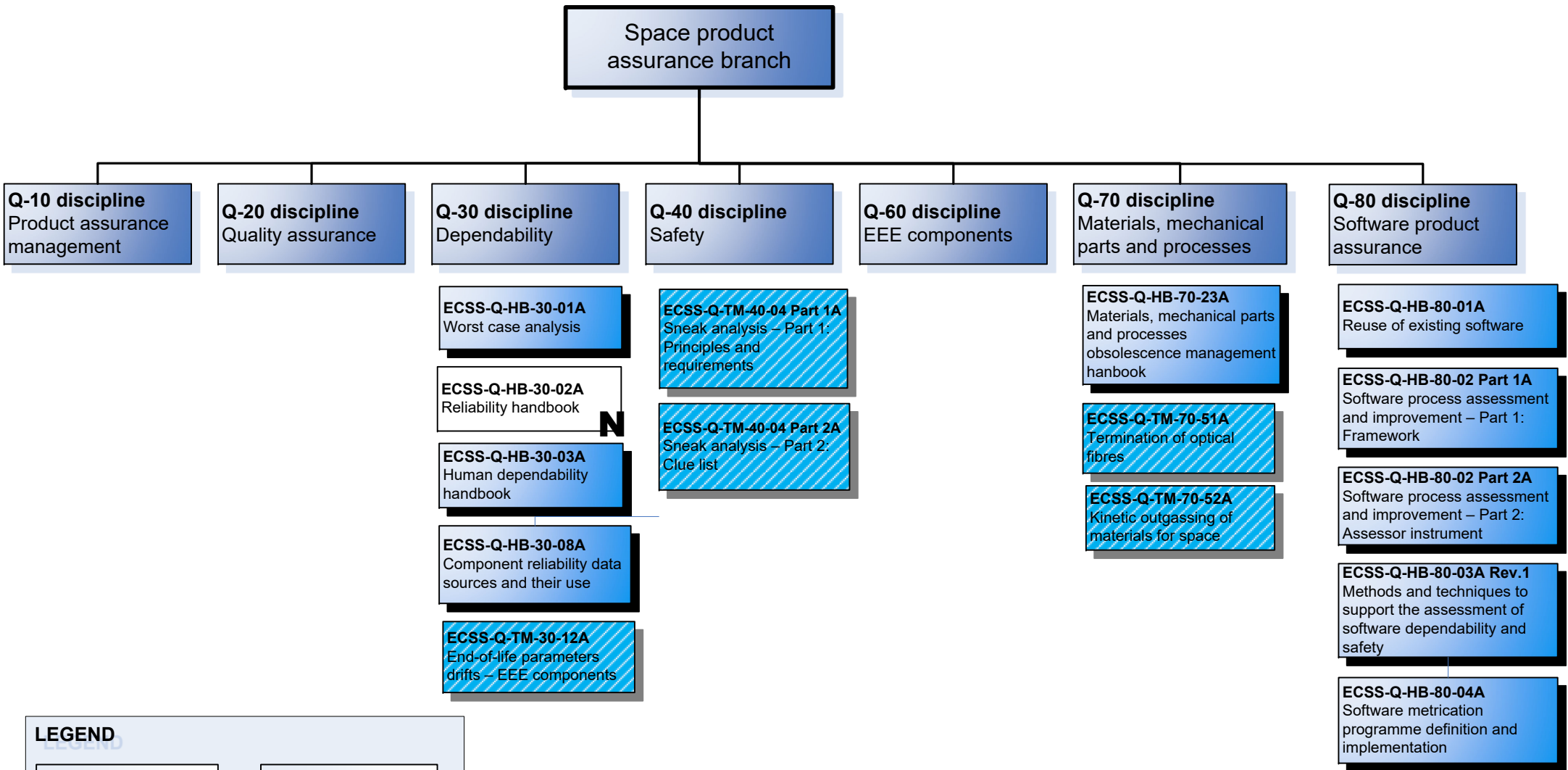
Sustainability branch



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ECSS Handbooks and Technical memoranda

PA branch HBs and TMs



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New document in production

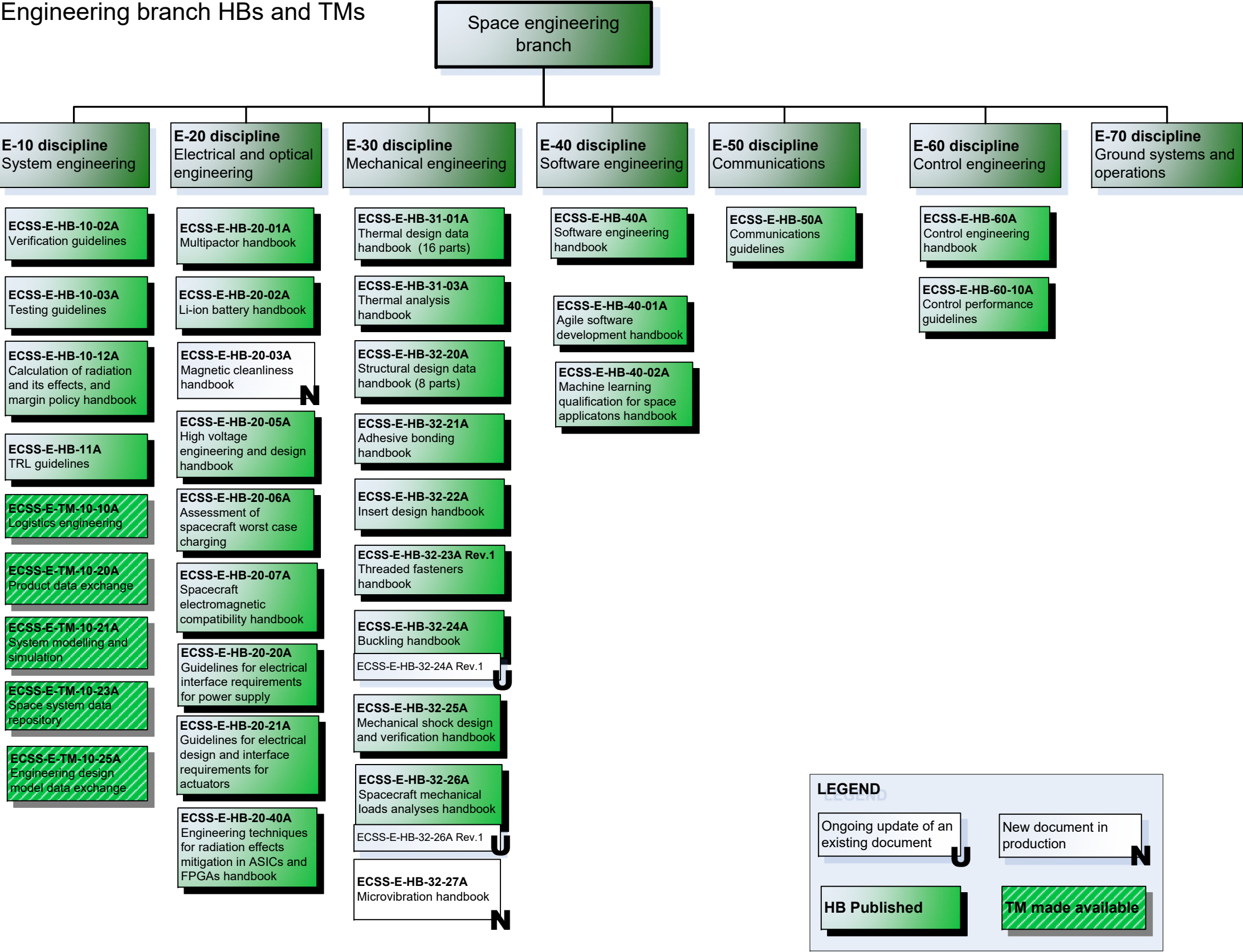
HB Published

TM made available

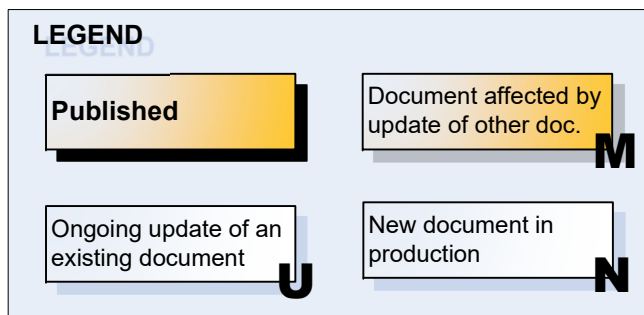
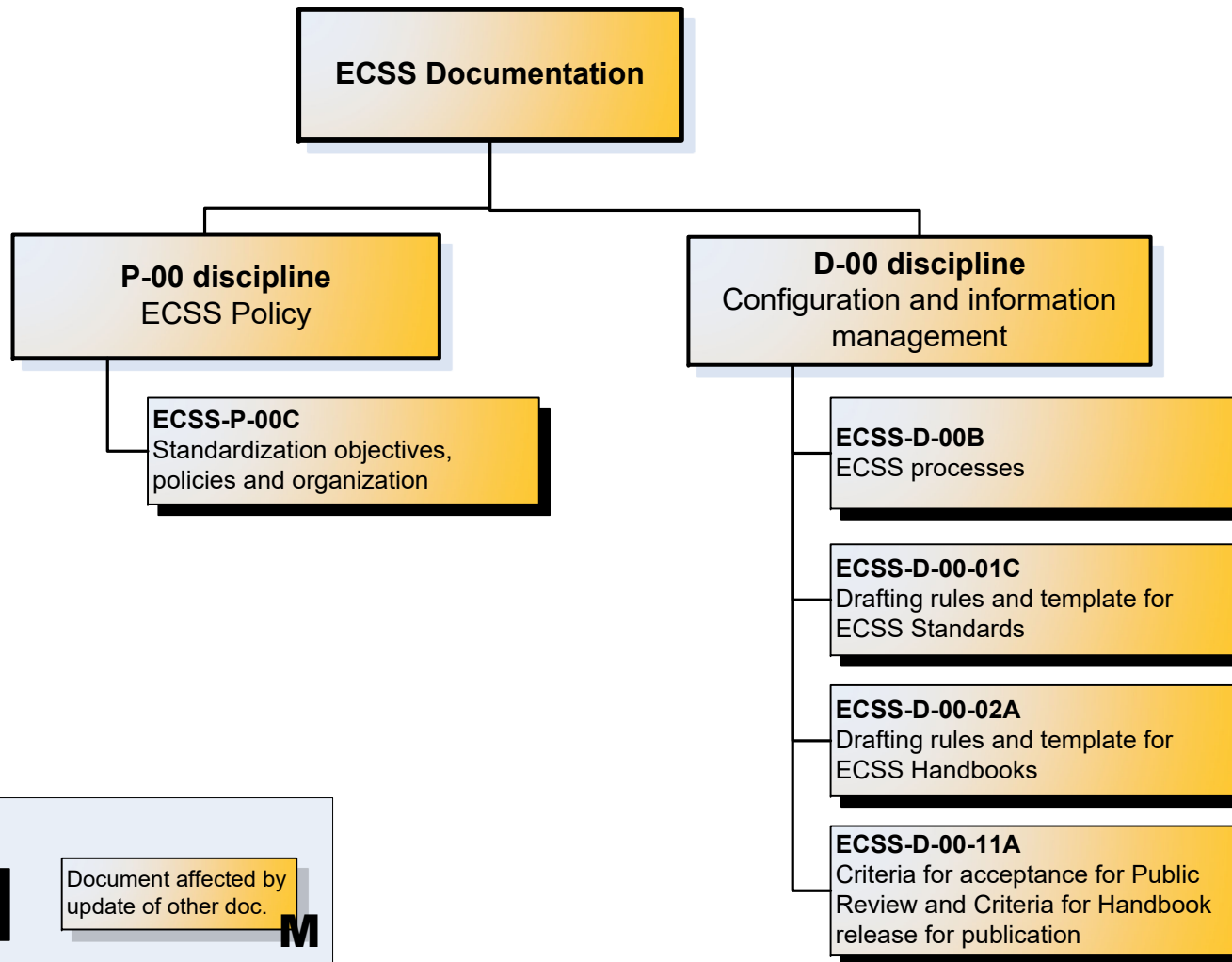
(as of May 2025)

ECSS Handbooks and Technical memoranda

Engineering branch HBs and TMs



ECSS Policy (P) and Configuration and information management (D) documents



(as of June 2024)