AIRBUS Common Language

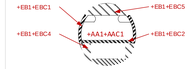
Aircraft

% Variants

+ Spaces

<Single Aisle>

- +AA1 Passenger transportation space
  - +AAC1 Seating space for first class
  - +CAN1 Hand luggage space RHS
  - +ACC1 Seating space RHS
  - +CAN2 Hand luggage space LHS
  - +ACC2 Seating space LHS
  - +EAC1 Walkway corridor
  - +EAC2 Emergency exit access space
  - +AAC2 Seating space for economy class
  - +ABB1 Toilet space
- +CA1 Storage space
- +EB1 Infrastructure distribution space
  - +EBC1 Skin to lining space
  - +EBC2 Passenger floor space
  - +EBC3 Cargo floor space
  - +EBC4 Cargo triangle space
  - +EBC5 Crown space



Made by

= Functional systems

<Single Aisle>

- =G1 Fuselage structure system
  - =AA1 Main body structure system
  - =ULE1 Stressed panel
- =AC1 Landing gear system
- =RK1 Human access system
- =RK2 Human emergency exit system
- =RK3 Cargo access system
- =J1 Cabin interior system
  - =J1 First class interior system
    - =RB1 Interior seating system
  - =J2 Business class interior system
  - =J3 Economy class interior system
- =RC1 Toilet system
- =RK1 Interior access system

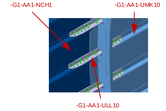
Realized by

Realized by

- Physical systems

<Single Aisle>

- -D1 Left wing system
- -D2 Right wing system
- -G1 Fuselage system
  - -AA1 Body structure system
    - -UMK10 Stringer 10 Forward fuselage
    - -UMK11 Stringer 10 Aft fuselage
    - -NCH1 Panel with no stringer
    - -UMK12 Frame 35
    - -ULL10 Joint plate 10



Constructed by

Constructed by

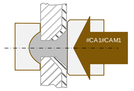
Manufacturing

% Variants

Processes

<Single Aisle Manufacturing System>

- #CA1 Join stringer 23A 38G
  - #CAM1 Rivet the ferule and stringers
  - #BAB1 Expand and assemple stringer 30
    - #BAB1 Ream the hole to ø4,35
    - #FAA1 Deburr the interior
    - #HAA1 Verify hole dimension



Supported by

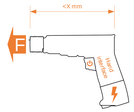
Supported by

Supported by

= Processing systems

<Single Aisle Manufacturing System>

- =CB1 Assembling system
  - =CAM1 Riveting system
  - =BAB1 Reaming system
  - =HAA1 Measurement system



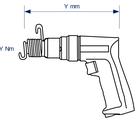
Realized by

Realized by

- Physical systems

<Single Aisle Manufacturing System>

- -TPA1 Rivet gun
- -HKB1 Drilling machine
- -HKB2 Cylindrical reamer

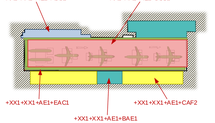


Located at

+ Spaces

<Single Aisle Manufacturing System>

- +XX1 Toulouse main site
  - +XX1 Single Aisle Complex
    - +AE1 FAL M91 Entity
      - +BAA1 Administration space
      - +DBB1 Production space
      - +BAE1 Coffee space
      - +EAC1 Pathway space
      - +CAF1 Storage space
      - +CAF2 Storage space
      - +ABD1 Changing space
      - +DBB1 ST42



Constituted of

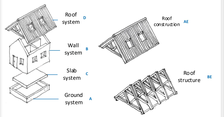
Infrastructure

% Variants

- CW Structure Systems

<Building M91>

- -A1 Building foundation system
- -B1 Building wall system
  - -AD1 Wall construction system
    - -BD1 Wall structure system
      - -ULE1 Support beam
    - -QQA1 Window
    - -RQA1 Insulation
    - -QQC1 Main entrance
- -D1 Building roof system
  - -AE1 Roof construction system
    - -BE1 Roof structure system

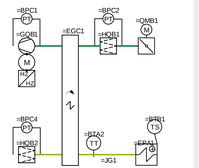


Realizes

= CW functional systems

<Building M91>

- =J1 Ventilation system
  - =HF1 Ventilation supply system
    - =BPC1, ...,=BPC6 Pressure transmitter
    - =BTA1, ...,=BTA3 Temperature transmitter
    - =EGC1 Heat exchanger
    - =QQB1 Ventilator 1
    - =QQB2 Ventilator 2
    - =HQB1 Airfilter
    - =HQB2 Airfilter



RDS-A/C spaces library

RDS-A/C system library

RDS-MS process library

RDS-MS equipment library

RDS-MS spaces library

RDS-CW system library

By DDMS Modelling & Simulation – Thomas BARRE
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