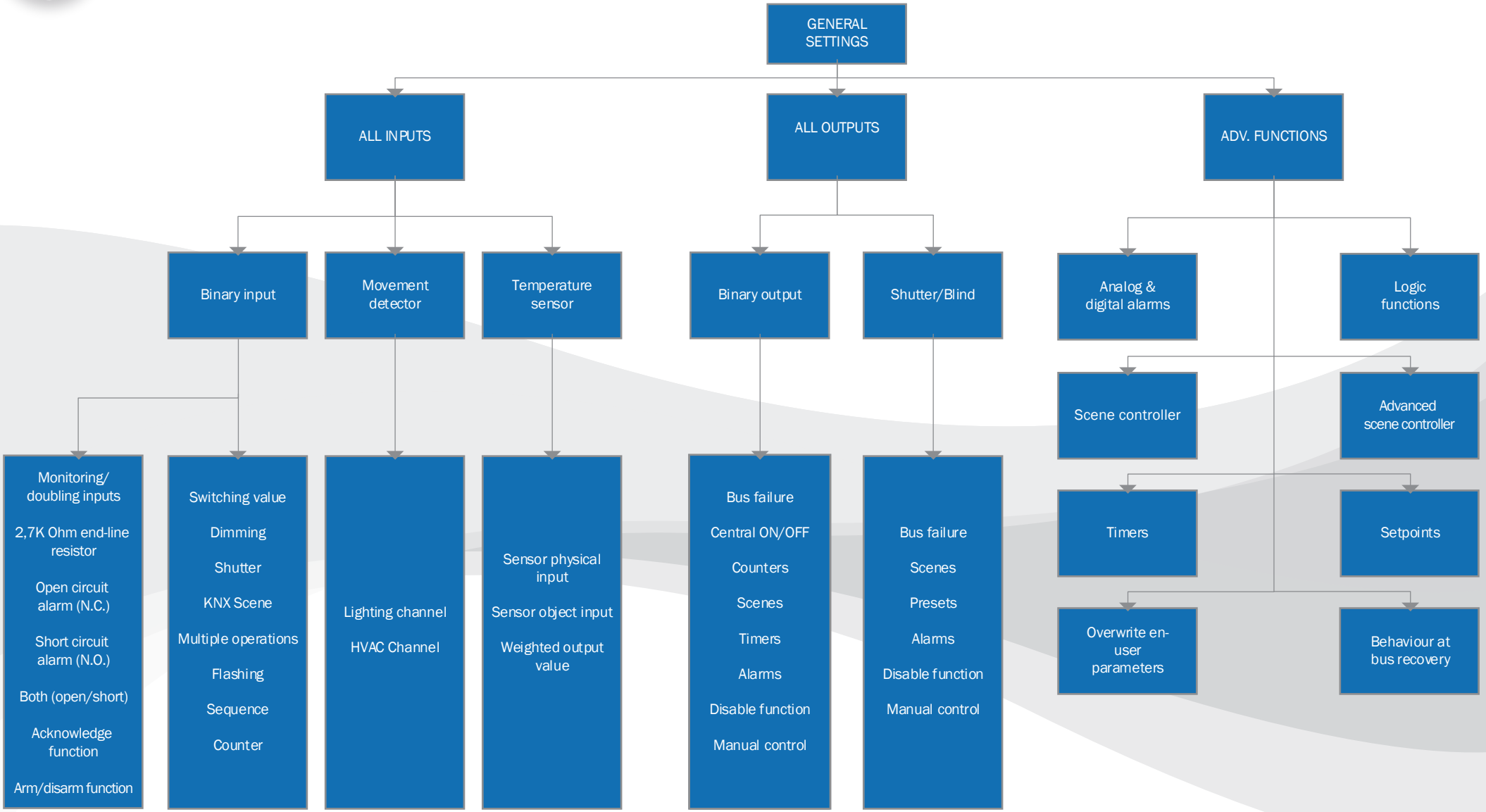
IPAS

µBrick Series
ETS Application Program Flowchart



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KNX

Binary input

Switching value | Dimming | Shutter | KNX Scene | Multiple operations | Flashing | Sequence | Counter

Switching value

Event for Short / Long operation & opening / closing contact: ON/OFF/Toggle/Value

Datapoint types:
1bit, 1byte unsigned, 1byte scaling (%), 2bytes float, 4bytes unsigned, 4 bytes float

Delays

Start stop cyclic sending (Closing /Opening / Both)

Monitor input with 2,7kohm end-line resistor
Short circuit, Open circuit and Both

KNX Scenes

Scene 1..64
Short: Play (0..63), Long: Save (128.. 191)

Monitor input with 2,7kohm end-line resistor

Open circuit. Doubling input

5 Multiple operations

Action on defined pulse (1..10)
Short/Long operation

Datapoint types:
1bit, 1byte unsigned, 1byte scaling (%), 2bytes float

Condition for sending value:
Only evaluates last executed pulse operation
OR
Evaluates immediately when operations = configured pulse

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

Counter

Same as Upwards/Backwards counter in flowchart of binary output

+

Count on (Rising edge, Falling edge, Rising and falling edge)

Additional Upwards counter

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

Dimming

On / Brighter, Off / Darker
Toggle Brighter/Darker

Dimming direction after switching ON

Cyclic sending

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

Shutter

Event for Short /Long operation:
Stop/Step Up, Stop/Step Down,
Toggle Stop/Step

Slat time for stop telegram when releasing

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

Flashing

Flashing on:
Close = flash, open = nothing
Close = nothing, open = flash
Close = flash, open = stop
Close = Stop, open = flash
Both = start flashing

Time ON, Time OFF

Number of repetitions

Stop flashing at disabling/enabling input

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

Sequence

DPT: 1bit, 1byte unsigned, 1byte scaling (%), 2bytes float

Single sequence
Incremental Loop (1>2>3>4>Off>1>...)
Incremental (OFF>1>2>3>4>stay in 4)
Decremental Loop (4>3>2>1>OFF>4>...)
Decremental (4>3>2>1>stay in OFF)
Toggle pause (1>2>3>4>Off>1>...), (4>3>2>1>OFF>4>...)
Toggle (Off>1>2>3>4>3>2>1>Off>1>...)

Multiple sequence
Inc. ON Loop (1>1+2>1+2+3>1+2+3+4>All Off>1>...)
Inc. ON (OFF>1>1+2>1+2+3>1+2+3+4>stay in 4)
Dec. OFF Loop (4+3+2+1>3+2+1>2+1>1>OFF>4+3+2+1...)
Dec. OFF (4+3+2+1>3+2+1>2+1>1>stay in OFF)
Toggle pause (1>1+2>1+2+3>1+2+3+4>Off>1>...),
(4+3+2+1>OFF>4>...)
Toggle (Off>1>2>3>4>3>2>1>Off>1>...)

Monitor input with 2,7kohm end-line resistor
Open circuit. Doubling input

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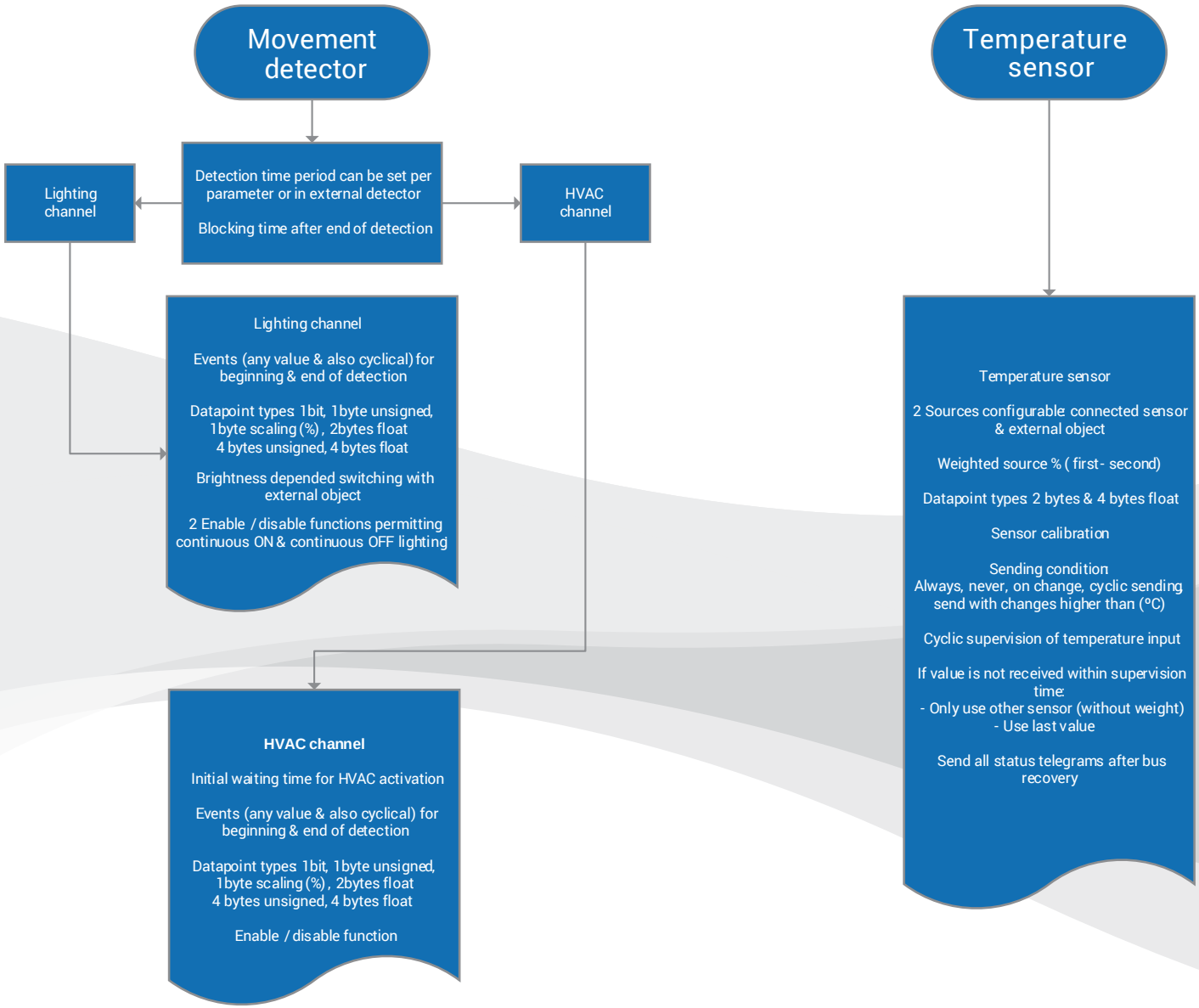

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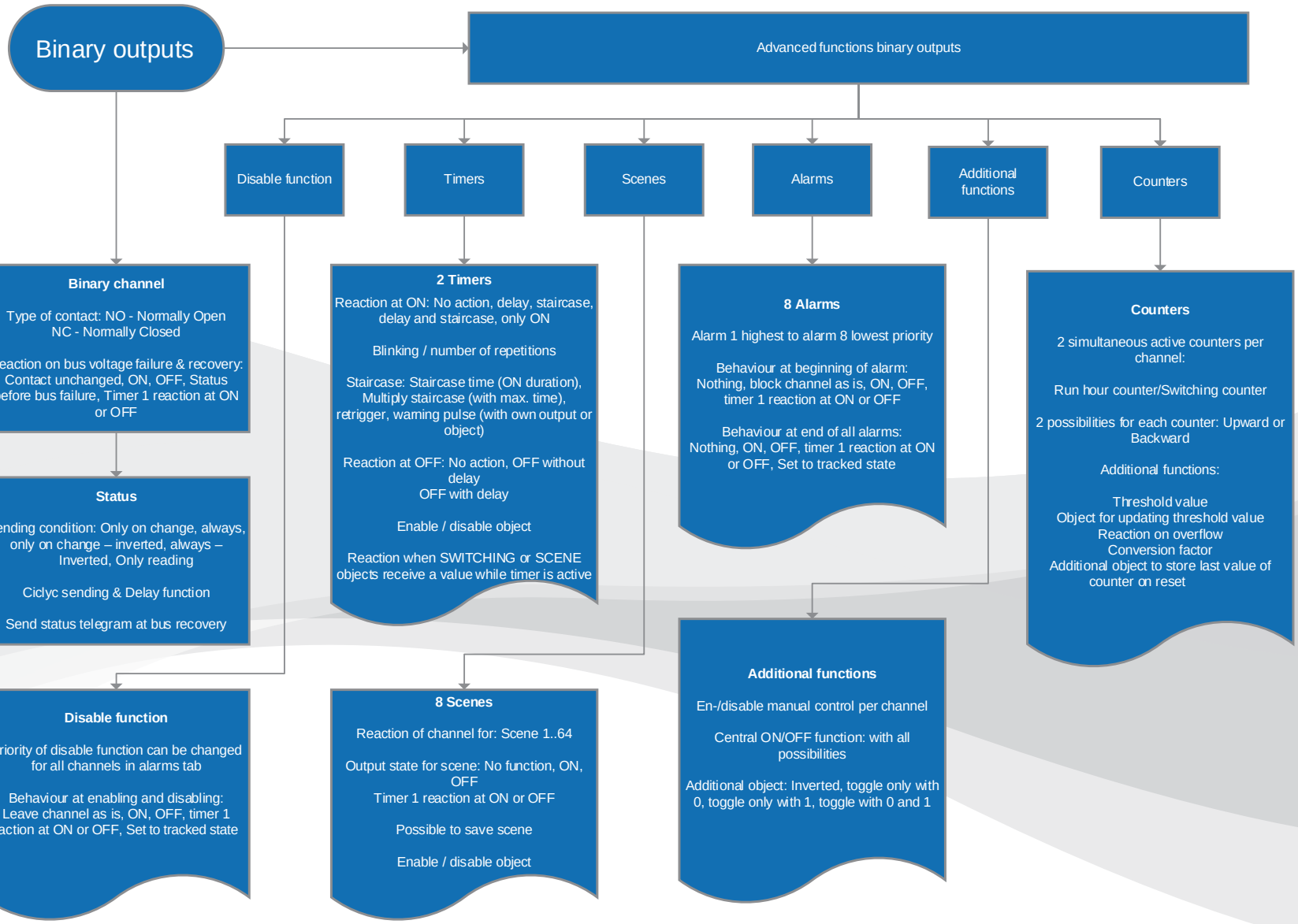

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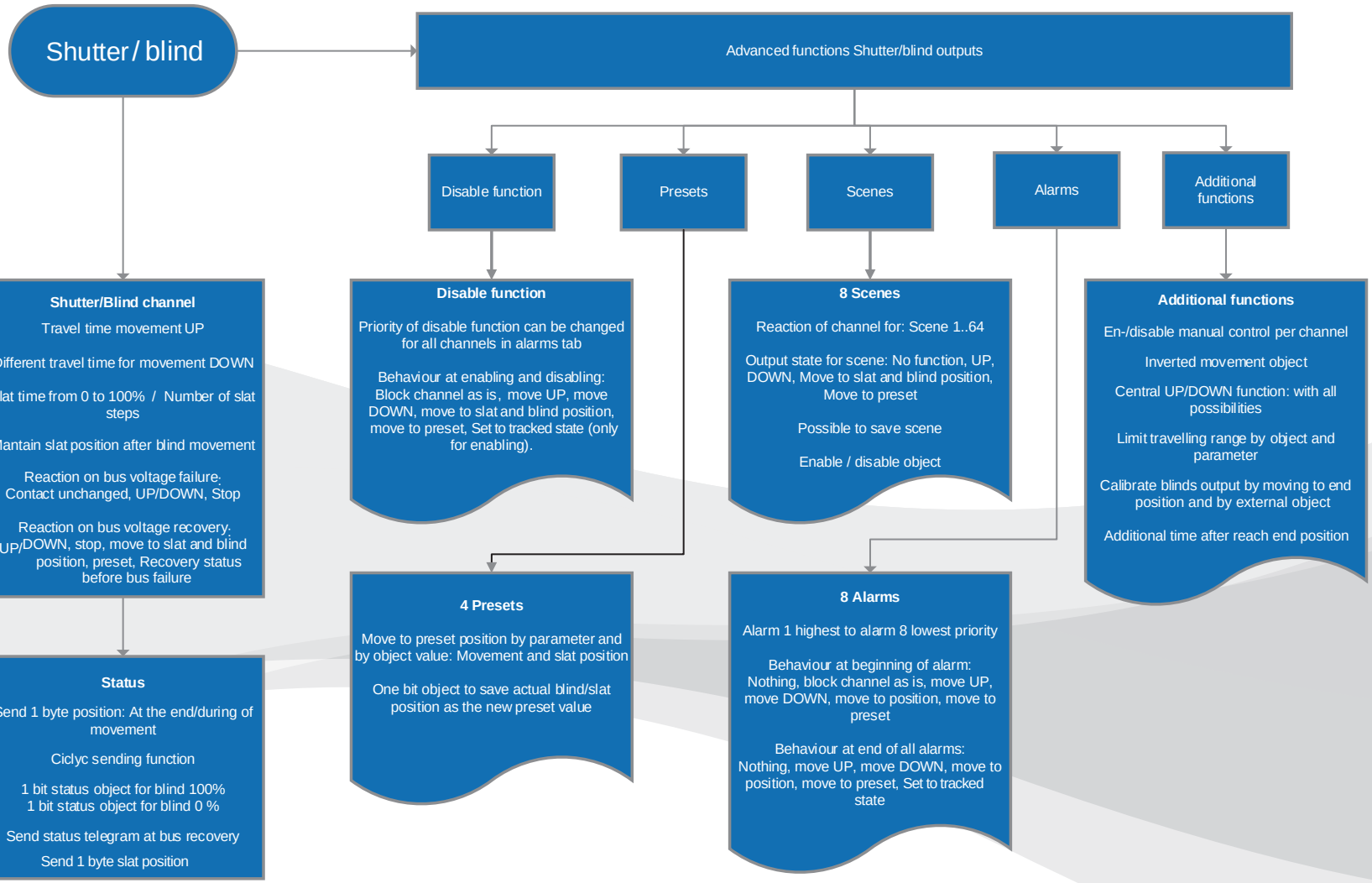

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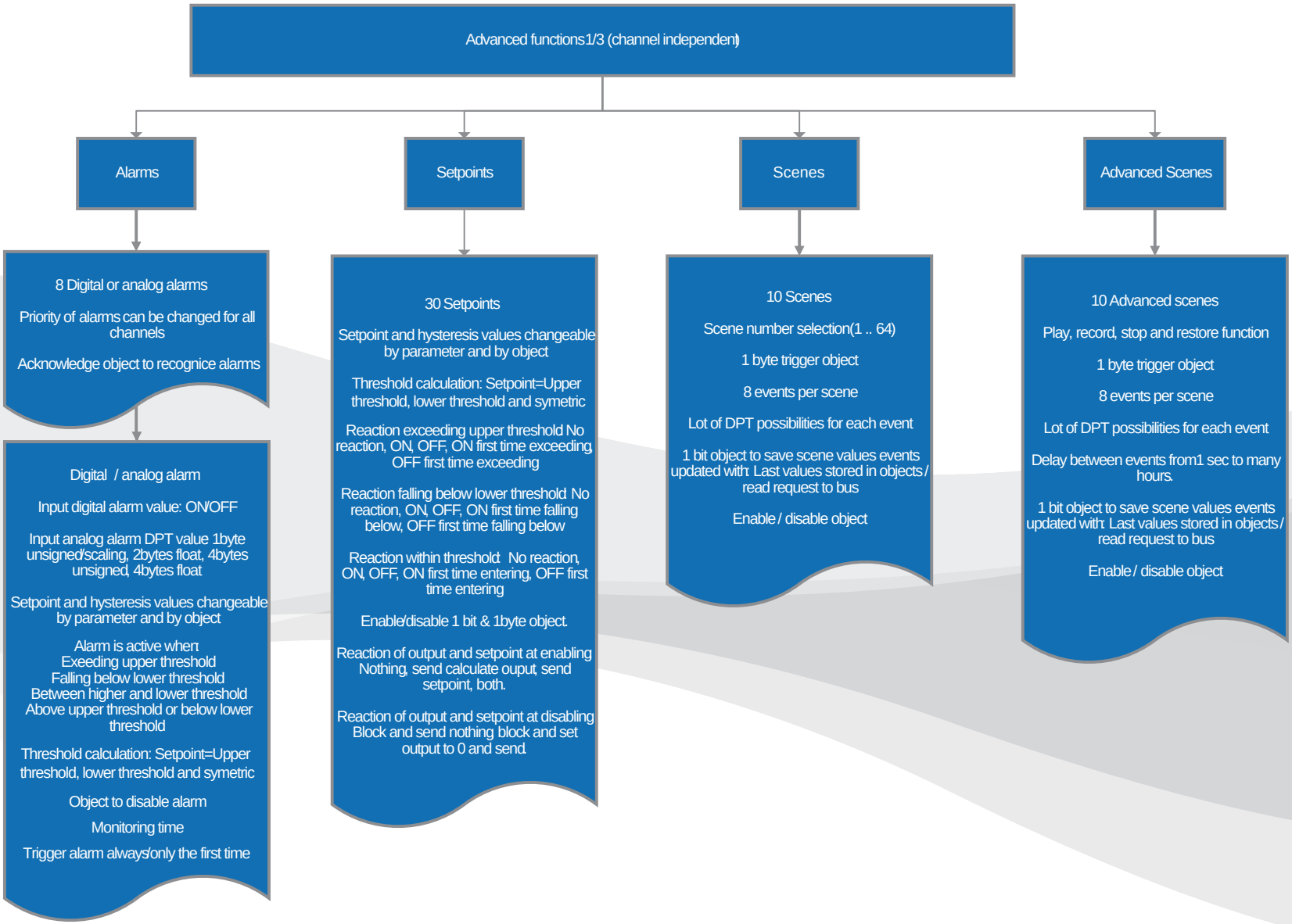

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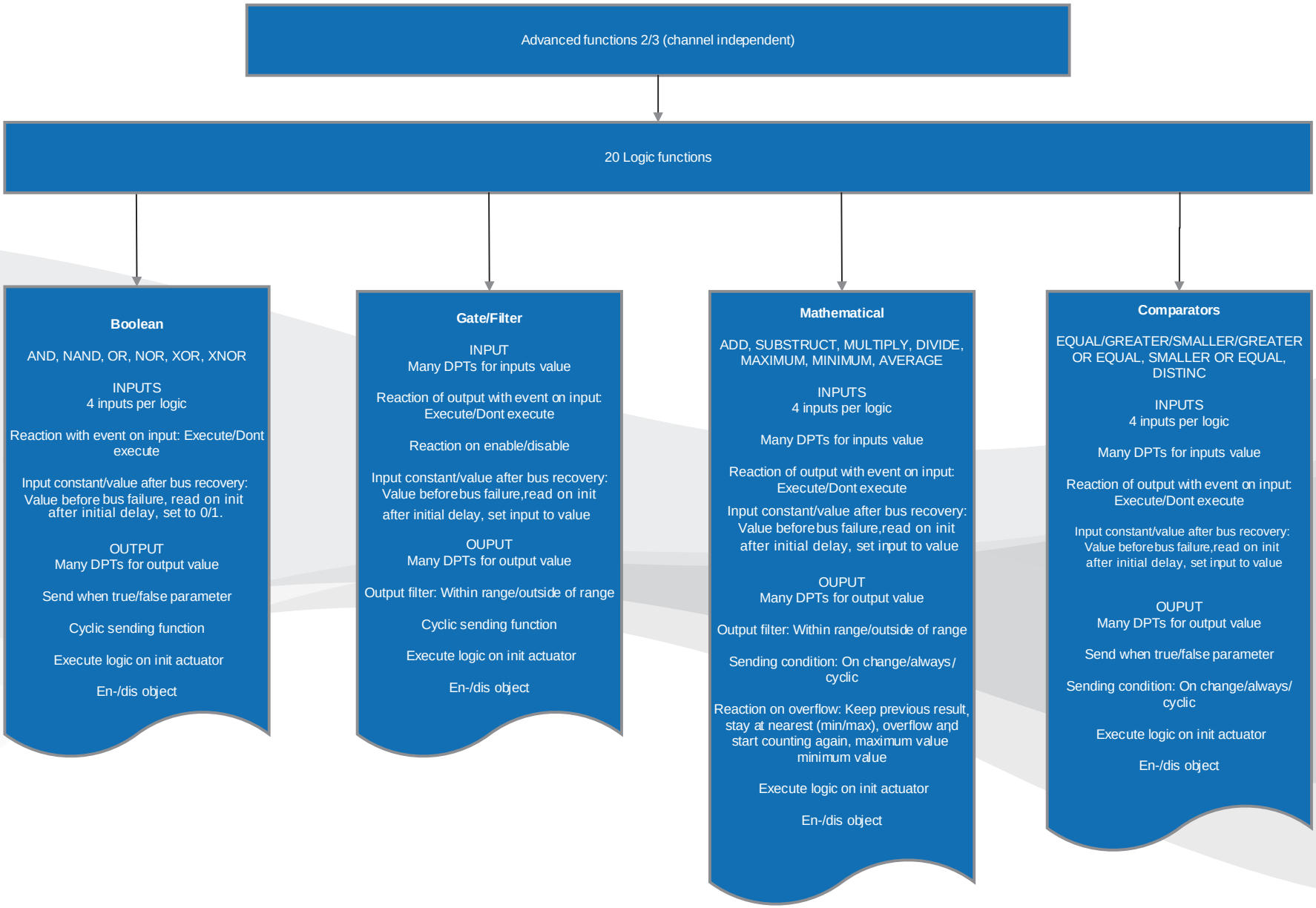

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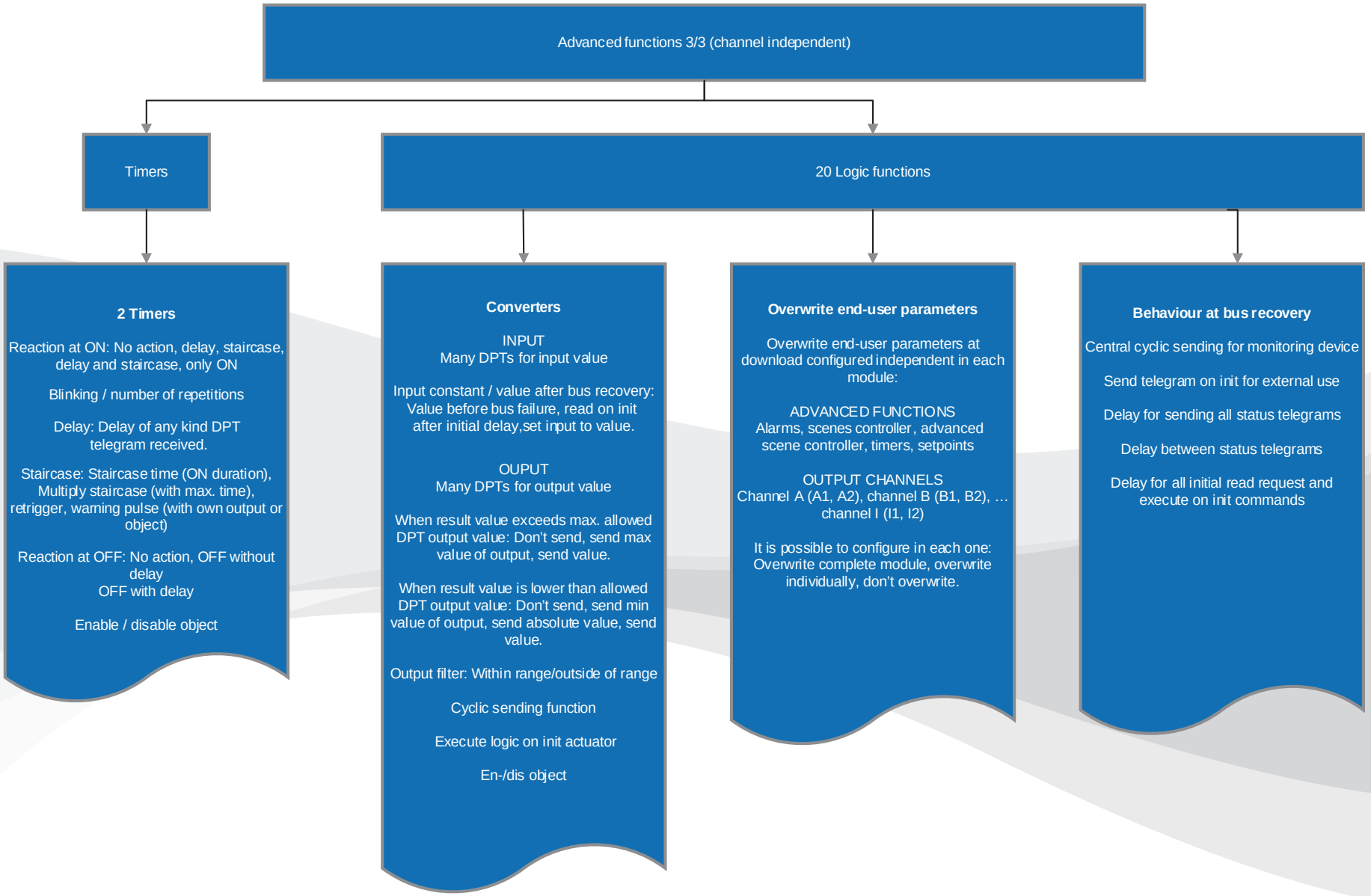

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