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PART 1   GENERAL

1.1 .   DESCRIPTION

This designed to provide consistency in UW DDC installations across all projects.   Not all possibly point naming needs are defined here. Point names are not only critical for DDC presentation, but for UW facilities energy monitoring, code compliance, and re-billing processes.   These name are also critical to the master database integration for energy management and fault detection.

1.2 .   DEFINITIONS

A . FACP: Fire alarm control panel

B . DDC: Direct or Distributed Digital Control

C . BAS: Building Automation System (see DDC)

D . EMS: Energy Management System (see DDC)

E . Owner: University of Washington project delivery group

F . MDF: Main Data Frame

G . IDF: Intermediate Data Frame

H . AiM: Enterprise resource management software in use by UW Facilties.

I . UWF: UW Facilities

J . UW-IT: The grand Information Technology group for UW

K . UW-OT: A specialized Information Technology group for UWF.

L . PI: Database product in use by UWF

M . FDD: Fault detection and diagnosis

1.3 .   QUALIFICATIONS

Alarm configuration must be performed by a qualified programmer for the system installed, and must be overseen by the Lead programmer as assigned by the controls contractor.

1.4 .   RELATED STANDARDS

UW Campus Energy, Utilities and Operations (CEUO) Standards   Specification Section 23 09 23.92
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A . University of Washington Facilities Design Specification (FDS)
B . UW DDC Specifications
C . UW DDC point naming standards
D . UW DDC graphics standards
E . UW metering and monitoring standards

N/A

1.5 . REFERENCES

See AiM work order '*priority*' for classifications.

1.6 . COORDINATION

No coordination in required

1.7 . SUBMITTALS

Alarm parameters and configuration should be included with the DDC points submittal defined elsewhere as required in the <u>*UW DDC Specifications*</u> document.

1.8 . O&M (operations and maintenance) MANUALS

N/A

1.9 . MEETINGS

N/A

PART 2   POINT NAMING NOMENCLATURE

####.BBBB.EEEEEEEEEEEEEEE.PPPPPPPPPPPPPPPPPPP

– Building Facility Number (FACNUM)
(Column: Facility Number). Four characters allocated.

BBBB – Building Name Abbreviation
Up to four characters allocated.

EEEEEEEEEEEEEEE – Equipment/System Identifier. As <u>a best</u> practice, this should match with mechanical drawing issued for the building. In cases where a sub-equipment component is present (<u>i.e</u> SF-3 as a sub-component of AHU-1) an additional delimiter (.) shall be used (Example: **AHU-1.SF-3**). Up to 15 characters allocated.

PPPPPPPPPPPPPPPPPPP – Standard Point/Object Name.

Up to 19 characters allocated.

Note: Total character count shall not exceed 45 characters.

PART 3   POINT NAME EXAMPLES

3.1   Generic

    A.   Temperature = Tmp

    B.   Setpoint = SP

    C.   Status = Sts

    D.   Command = Cmd

    E.   Alarm = Alm

    F.   Fault = Flt

    G.   Zone = Zn

    H.   Speed = Spd

    I.   Percent = Pct

    J.   Outside = OA

    K.   Outside Air Temperature = OAT

    L.   Operator = Opr

    M.   Local = Lcl

    N.   Remote = Rem

    O.   Discharge Air Temperature = DAT

    P.   Demand = Dmd

    Q.   Occ = Occupied

    R.   UnOcc= Unoccupied

    S.   Stby = Standby mode

    T.   Enable = Enbl

    U.   Disable = DisEnbl

    V.   Isolation (valve, damper) = Iso

3.2   Terminal Unit (TU) Typical

    A.   ZnT : (zone temp, space temp, room temp)

    B.   ZnSP: Zone temp setpoint

    C.   SAT: Supply Air Temp (from air handler)

    D.   DAT: Discharge Air Temp (from terminal unit)

    E.   HWV: Hot water reheat valve

    F.   Dmpr: Flow control damper

    G.   Flow: Air flow (in CFM)

    H.   FlowSP: Effective airflow SP

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I.   TrmLd: Terminal Load (as deviation from setpoint)

J.   Fan: Serial or Parallel Fan

K.   HtOut: Heating Output (common for electric reheat)

L.   HDDmpr: Hot Duct Damper

M.   CDDmpr: Cold Duct Damper

3.3   Air Handler / ERV / HRV / DOAS / MAU

A.   MAT: Mixed Air Temp

B.   OADmpr: Outside Air Damper

C.   EADmpr: Exhaust Air Damper

D.   RAT: Return Air Temp

E.   LL: MAT Low Limit Safety

F.   RF: Return Fan

G.   Rfspd: Return Fan Speed

H.   SF: Supply Fan

I.   SFSpd: Supply Fan Speed

J.   EF: Exhaust Fan

K.   EFSpd: Exhaust Fan Speed

L.   MAdmpr: Mixed Air Damper (stay consistent with ME dwgs)

M.   RAdmpr: Return Air Damper (stay consistent with ME dwgs)

N.   BypDmpr: Bypass Damper (common to VVT systems)

O.   DSP: Duct Static Pressure

P.   DSP-SP: Duct Static Pressure Setpoint

Q.   BSP: Building Static Pressure

R.   BSP-SP: Building Static Pressure Setpoint

S.   HiDSP: High Duct Static Pressure Safety

T.   HWV: Hydronic Hot Water Valve

U.   CHWV: Hydronic Chilled Water Valve

V.   Compr: DX cooling compresssor

W.   DX: Direct Expansion cooling coil

X.   StmHV: Steam Heating Valve

Y.   PH: Pre-heat feature (coil, valve, pump)

Z.   HR: Heat Recovery feature (coil, valve, pump)

AA.   WHL: Wheel, typical of Heat Recovery Systems

BB.   HX: Heat Exhanger, typical of Heat Recovery Systems

CC.   AFS/ AFM: Air flow station / Air Flow Monitor

DD.   HC: Heating Coil

EE.   CC: Cooling Coil

FF.

3.4   Plant-level Equipment

A.   Pri: Primary hydronic loop

B.   Sec: Secondary hydronic loop

C.   HW: Heating Water Loop

D.   CHW: Chilled Water Loop

E.   CDW: Condensor Water Loop

F.   SrcW: Source Water Loop

G.   CCW: Campus Chilled Water loop

H.   Pmp##: Hydronic pump for any loop, ## as index with mulitples (ex. 01)

I.   V##: Valve, with ## index (ex. 01)

J.   TWR##: Cooling Tower

K.

3.5   Miscellaneous Equipment

A.   EFcmd: Exhaust Fan Command

B.   EFsts: Exhaust Fan Status

C.   CP: Circulation Pump

D.   DHW: Domestic Hot Water

E.   HWB: Hot Water Boiler

F.   ASHP: Air-Source Heat Pump

G.   WSHP: Water-source Heat Pump

H.   HP: Heat Pump

I.   FCU: Fan Coil Unit

J.   RH: Radiant Heater

K.   BB: Baseboard Heater

L.   MU: Make -up water

M.   SprPmp: Spray pump (cooling towers)

N.   Mtr: Meter (Flow, BTU, MU water)

END OF DOCUMENT

APPENDIX A: REVISION HISTORY
(none)

APPENDIX B: SUGGESTED EDITS
(none)