ASHRAE TC9.9/ DMTF Work Register
Version 1.1
Date Initiated: 06/20/2017

The DMTF Work Register is created between the DMTF and an Alliance Partner to formally define the scope, benefits, and deliverables of the alliance partnership. The register helps both organizations coordinate efforts to achieve the stated goals and objectives.

Alliance Organizations

ASHRAE TC9.9 and the Distributed Management Task Force (DMTF)

Background

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers), is a nonprofit technical society formed in 1894 specializing in HVAC. ASHRAE has over 50,000 members, 2,000 technical committee members, and approximately 100 technical committees focused on maintaining an unbiased role within the industry, actively writing standards, guidelines, model codes, etc. ASHRAE has created more than 125 standards and guidelines.

TC 9.9 (Technical Committee 9.9) is concerned with all aspects of mission critical facilities, technology spaces, and electronic equipment/systems. This includes data centers, computer rooms/closets, server rooms, raised floor environments, high-density loads, emergency network operations centers, telecom facilities, communications rooms/closets, and electronic equipment rooms/closets.

TC9.9 has a working group which is writing a white paper on the current datacom industry with regard to the emergence and importance of DCIM (Datacenter Infrastructure Management) solutions. This work is to highlight the opportunities and challenges, as well as provide design guidelines for IT Equipment manufacture's and facilities equipment providers.

Alliance Partner Mission

The mission of ASHRAE is to advance the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world.

The primary objective of TC9.9 specifically is to be recognized by ALL areas of the datacom industry as the UNBIASED engineering leader in HVAC and an effective provider of technical datacom information.

Alliance Benefits

This alliance will provide the following benefits:

- Ensure the DMTF standards and ASHRAE TC9.9 DCIM design guidelines are coordinated and aligned from a sensor naming convention and definition perspectives

Activities

The following activities may occur during the duration of this work register.

ASHRAE TC9.9 may

- Review and provide feedback on the following DMTF material (including whitepapers, work-in-progress, and standard documents). The feedback and comments will be provided via the portal.
    - IT Equipment data model and sensor definitions and naming convention artifacts
- Acknowledge relevant DMTF alignment and coordination in the previously mentioned ASHRAE DCIM whitepaper to be published 2H' 2017.

The DMTF may:

- Review the proposed naming conventions of over 30 IT Equipment sensors and relevant thresholds. These IT equipment sensors will consist of system, power and cooling data types.

Limitations

It is the intention to drive alignment between DMTF standards and ASHRAE DCIM compliance design objectives. As such, it is not ASHRAE's intention to produce delegated standards that conflict or diverge from existing or proposed DMTF standards where possible.

Milestones / Dates

This section is to list specific milestones that will be accomplished by the alliance partnership.

Milestone/Deliverables	Timeframe
Approval of Work Register v1.1	June 2017
Submit ASHRAE DCIM Sensor Documentation to DMTF 'Work in Progress' Open Community for comment and discussion	July 2017
Establish DMTF working group to coordinate with ASHRAE working group to align/adopt sensor naming conventions and definitions between the two bodies	August 2017

Access

The DMTF will make the following specifications/artifacts available to ASHRAE TC9.9. Access will be on the DMTF public website as 'Standard' or 'Work in Progress':

- Redfish Specification, schema and mockups

ASHRAE TC9.9 will make the following design guidelines/artifacts available to the DMTF via the DMTF Technology Submission Portal:

- Proposed IT equipment sensor naming convention and definitions

Work Register Review Date

The next review date is expected to be June 23, 2017.

Resources Identified / Points of Contact:

Below are the members of each organization that will act as points of contact between the two organizations.

ASHRAE TC9.9:

- Christian Lindberg, DCIM Whitepaper Chair, primary liaison to DMTF, Christian.lindberg@accenture.com
- Jason Matteson, TC9.9 Vice Chair, alternate liaison to DMTF, jmatteson@lenovo.com

DMTF:

- The VP of Alliances (vp-alliances@dmtf.org)
- DMTF ASHRAE Alliance Contacts (ashrae-alliance@dmtf.org)

Corresponding ASHRAE Document

There are no corresponding documents created by ASHRAE.

Approval by the DMTF Board of Directors

Approved by the DMTF Board of Directors; Board Resolution **2017-06-08**, on 6/22/2017.