

ICC 802 Landscape Standard Definitions Workgroup meeting minutes 11/07/18

Minutes by Sean Steffensen

Meeting Agenda:

A. WELCOME AND INTRODUCTIONS

- 1) Call to Order
- 2) Identification of Attendees

B. ASABE/ICC 802 DEFINITIONS PROPOSALS

- 1) Review and discuss nozzle definitions
- 2) Review and discuss spray sprinkler and rotor sprinkler definitions
- 3) Request other topics for discussion

C. Summarize Outcome and decide on future meeting

Minutes:

Meeting called to order by Chair, Sean Steffensen at 11:02 am.

Attendance taken:

Participant	11/7/2018
Sean Steffensen	present
Brent Mecham	present
Julius Duncan	present
Kaomine Vang	present
Fred Grable	not present
Ed Pike	present
Jeff Lee	not present
Randall Pearson	present
Sam Thayer	not present
Mohney, Leah	present
Gene Reid*	not present
Lopez, Jessica	not present
Michael Dukes	not present

*Requested to not participate

Discussion of Nozzle Definitions

Action from previous meeting: Brent Mecham to propose definitions for spray nozzle, rotor nozzle and MSMT nozzles.

Comment: Spray nozzles have continuity to the spray area, fixed or variable arc and are without moving streams.

Comment: What is the need for a nozzle definition? Can the sprinkler body definition suffice?

Comment: Various types of nozzles are superfluous.

Comment: Spray may mean something different to a non-industry person than to someone within industry.

Comment: Propose the spray sprinkler definition as:

Spray. A sprinkler with a spray sprinkler body and a nozzle. ~~that continuously applies water in a pattern to a defined landscape area.~~

Rotor. A sprinkler with a rotor sprinkler body and a nozzle. ~~that applies water in a pattern by means of one or more rotating streams to a defined landscape area.~~

Intent is to clarify that a sprinkler is a sprinkler body and a nozzle.

Comment: Sprinkler definition made a choice to include 0.5 gallons per minute to exclude microspray products.

Comment: Some multi-stream multi-trajectory nozzles are less than 0.5 gallons per minute.

Comment: Sprinkler definition refers to the “nozzle series” so at least on MSMT nozzle in the series will be over 0.5 GPM so MSMT products will be considered sprinklers.

Comment: “Head” or “Spray head” is an interchangeable term with sprinkler. ICC 802 shows a sprinkler head is a sprinkler body. Consensus that this is not correct and that a sprinkler head should be defined as a sprinkler – a sprinkler body with a nozzle.

Comment: How does altering sprinkler head, spray sprinkler body or spray sprinkler affect the US EPA WaterSense spray sprinkler body specification?

Comment: Sprinkler head definition not used by WaterSense specification. Spray sprinkler body definition also not used. WaterSense specification calls out sprinkler body definition that is not changed by proposal.

Comment: Multi-stream, multitrajectory nozzle definition may not be needed if the spray sprinkler body definition is added to the ICC document.

Comment: Multi-stream, multi-trajectory nozzles use at least 3 types of propulsion.

- Mini gear drive in nozzle

- Water drive between spinning plates driven by friction

- Oil between plates to achieve a constant velocity.

Discussion of future meetings. Need to determine when is the deadline to report back to larger group of our findings. Tentatively propose Thursday 11/29 for future meeting.

Conclusion and Summary:

Action: Sean to request deadline from ICC to report back to larger group.

Action Sean to schedule next meeting.

Term Sheet:

I put together this sheet to gather ideas and proposals from our discussions. Let me know if there are others or corrections

~~Strikeout~~ means deletion.

Underline means addition

1)

Spray. A sprinkler with a spray sprinkler body and a nozzle. ~~that continuously applies water in a pattern to a defined landscape area.~~

Rotor. A sprinkler with a rotor sprinkler body and a nozzle. ~~that applies water in a pattern by means of one or more rotating streams to a defined landscape area.~~

2)

Rotor sprinkler body. A sprinkler body that: contains components to drive the rotation of the nozzle or orifice during operation; and lacks an integral control valve.

Spray sprinkler body. A sprinkler body that: does not contain components to drive the rotation of the nozzle or orifice during operation; and lacks an integral control valve.

Valve-in-head sprinkler body. A sprinkler body that contains an integral control valve.

3)

Sprinkler Head. See "Sprinkler-~~Body.~~"

4)

~~Multistream, multitrajectory (msmt) nozzles.~~ ~~Nozzles designed to distribute discharge water in a number of individual streams, of varying trajectories, which rotate across the distribution area.~~