OCF "Ipanema" – New OCF enumerations based on MVITE feedback – Smart Home WG CR 3372

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***** Change 1**

B.1 Standardized enumeration values

B.1.2 Alphabetical list of standardized enumeration types

Table B.2 lists the standardized enumeration types that may be present within Resource Properties where the Property is defined as containing values from this clause. The enumerations also apply to Semantic Tags (see ISO/IEC 30118-1:2018) where the tag is defined as containing values from this clause.

Table B.2 1 – The defined set of standardized enumerations

Enumeration	Description
aborted	An internal device, communication or security error
active	Unit is active
after	unit is in a mode that is waiting for another trigger (after which)
airClean	unit is in air clean mode or state
airDry	unit is air drying
airfilterconsumable	identifies the main air filter consumable ("oic.r.consumable") Resource of the Device
airflow	Identifies the main airflow ("oic.r.airflow") Resource of the Device
airpurifierswitch	identifies that the switch ("oic.r.switch.binary") can turn on/off the air purifying function of the Device
airqualityairpollution	identifies the air quality ("oic.r.airquality") Resource measuring (total) air pollution
airqualityodor	identifies the air quality ("oic.r.airquality") Resource measuring odor
airqualitypm1	identifies the air quality ("oic.r.airquality") Resource measuring pm1
airqualitypm10	identifies the air quality ("oic.r.airquality") Resource measuring pm10
airqualitypm2.5	identifies the air quality ("oic.r.airquality") Resource measuring pm2.5
alarm	unit is in an alarm mode or state
alarmtimeperiod	identifies the duration time for an alarm ("oic.r.time.period")
ambient	unit is in ambient mode or state
armedAway	unit is armed for away
armedInstant	unit is armed instantly
armedMaximum	unit is armed at maximum level
armedNightStay	unit is armed in night stay
armedStay	unit is armed in stay mode
aroma	unit is armed in aroma mode
artificialintelligence	unit is in artificial intelligence mode

auto	unit is in auto mode or state
awning	identifies that the instance of "oic.r.windowcovering" represents an awning
babyCare	unit is in baby care mode or state
baking	unit is in baking mode or state
battery	identifies the main battery ("oic.r.battery") Resource of the Device
boiling	unit is in boiling state or mode
brewing	unit is in brewing state or mode
cancelled	the job was cancelled either by the remote client or by the user
changeCondition	the unit has experienced a change in condition, mode or state
charging	the unit is in charging mode or state
checkingTurbidity	unit is in checking turbidity state
circulating	unit is in circulating model or state
cleaning	unit is in cleaning mode or state
clothes	unit is in clothes mode
completed	job finished successfully
contactsensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of contact sensor
convenientroomdoor	identifies the convenient room door ("oic.r.door") of the refrigerator ("oic.d.refrigerator")
convertible	unit is for a convertible part (among compartments of a refrigerator). User can configure the parts as desired
convBake	unit is in convection bake mode
convRoast	unit is in convection roast mode
cool	unit is in cooling mode or state
coolClean	unit is in cool-clean mode or state
coolingtargettemperature	identifies the target cooling temperature ("oic.r.temperature") Resource of the air conditioner ("oic.d.airconditioner")
coolerdoor	identifies the cooler door ("oic.r.door") of the Device
coolermeasuredtemperature	identifies the measured cooler temperature ("oic.r.temperature") Resource of the Device
coolertargettemperature	identifies the target cooler temperature ("oic.r.temperature") Resource of the Device
cosensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of carbon monoxide sensor
currenttemperature	identifies the current measured temperature ("oic.r.temperature") Resource of the Device
delicate	unit is in delicate mode or state
deodorization	identifies the main deodorization ("oic.r.deodorization") Resource of the Device
diagnosis	unit is in diagnosis mode or state; when an error occurs, a Device is in diagnosis mode (state) for identifying causes and finding solutions

disabled	unit's current operational mode is disabled
dishwasherdoor	identifies the main door ("oic.r.door") Resource of the Dish Washer ("oic.d.dishwasher")
down	unit is unavailable
drapery	identifies that the instance of "oic.r.windowcovering" represents drapery
dry	unit is dry mode
dryClean	unit is in dry-clean mode or state
dual	unit is in dual mode
ecomode	identifies the main (overall) ecomode ("oic.r.ecomode") Resource of the Device
edge	unit is edge mode or state
enabled	unit's current operational mode is enabled
express	unit is in express mode or state
extended	unit is in extended mode or state
fan	unit is in fan mode or state
fast	unit is in fast mode or state
filterMaterial	filter material that is used by a Device
firesensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of fire sensor
focused	unit is in focused mode or state
foot	unit is in foot mode or state
freezePrevent	unit is in freeze prevent mode or state
freezePreventPending	unit is pending freeze prevent mode
freezePreventPause	unit is in the paused state while in freeze prevent mode
freezer	unit is for a freezer part (among compartments of a refrigerator
freezerdoor	identifies the freezer room door ("oic.r.door") Resource of the Device
freezermeasuredtemperature	identifies the measured freezer temperature ("oic.r.temperature") of the Device
freezertargettemperature	identifies the target freezer temperature ("oic.r.temperature") of the Device
fridge	unit is for a fridge part (among compartments of a refrigerator
glassbreaksensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of glass break sensor
grinding	unit is in grinding state or mode
healing	unit is in healing mdoe or state
heating	unit is in heating mode or state
heatingtargettemperature	identifies the target heating temperature ("oic.r.temperature") of the Device
heavy	unit is in heavy mode or state
homing	unit is in homing state, Device produces a special signal so that it can be found using electronic equipment

hot	unit is in hot mode or state
humidify	unit is in humidify mode or state
humidity	identifies the main humidity ("oic.r.humidity") Resource of the Device
ice	unit is in ice mode or state
idle	new jobs can start processing without waiting
initializing	unit is in initializing state, a Device resets its values set by a Client to initial values set by manufacturer
ink	generic ink cartridge for a Device
inkBlack	black ink cartridge for a Device
inkCyan	cyan ink cartridge for a Device
inkMagenta	magenta ink cartridge for a Device
inkTricolour	tricolour ink cartridge for a Device
inkYellow	yellow ink cartridge for a Device
invalid	unit is in an invalid mode, state, or setting
keepwarm	unit is in keep warm state or mode
keyfob	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of key fob
keypad	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of keypad
localtime	identifies the clock ("oic.r.clock") time representing the local time zone
macro	unit is in macro mode or state, Client manually inputs a rule or pattern of operation
main	unit is part of the main device or is the main device
manual	unit is in manual mode or state
map	unit is in mapping mode or state
mineral	unit is in mineral mode
monitoring	unit is in monitoring mode or state; such as security functions detecting unusual movements in an empty place for a camera-mounted Device
monitoringInitializing	unit is in initializing state in monitoring mode; a Device resets its values of monitoring mode to initial values set by manufacturer
monitoringMoving	unit is in moving state in monitoring mode; following a specific target that client select while the Device is in monitoring mode
monitoringPreparation	unit is in preparation state in monitoring mode; a Device is getting ready for its monitoring operation
morning	unit is in morning mode or state
motionsensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of motion sensor
moving	unit is in moving state; the action of going to a different place
night	unit is in night-time mode or state
nightDry	unit is in night-time drying mode or state

none	unit is in an undefined mode or state
normal	unit is in a normal operational state
notsupported	ability to set a specific operational mode by a Client is not supported
onedoorfridgedoor	identifies the single door ("oic.r.door") of the Device
operationalstate	identifies the main (overall) operational state ("oic.r.operational.state") of the Device
operationalmode	identifies the main (overall) mode ("oic.r.mode") of the Device
part	unit is in part mode or state, typically seen on a robot cleaner, analogous to spot cleaning
pause	unit is paused (by user)
ped	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of personal emergency device
pending	job initiated, engine is preparing
pendingHeld	job is not a candidate for processing for any number of reasons, will return to pending state if reasons are solved
permapress	unit is in permanent press mode or state
point	unit is at a defined or specific point (with respect to movement)
powerOff	unit is powered off (standby)
powerswitch	identifies the Resource that is the main power switch ("oic.r.switch.binary"), e.g. on/off of the Device
preHeat	unit is in pre-heat mode or state
preparation	unit is in preparation mode or state; a Device is getting ready for its operation
preSteam	unit is in pre-steam mode or state
preWash	unit is pre wash mode
processing	processing the job
projectorscreen	identifies that the instance of "oic.r.windowcovering" represents a projector screen
pure	unit is in pure mode or state
quick	unit is in quick mode or state
quiet	unit is in quiet mode
refresh	unit is in refresh mode or state
refrigeration	identifies the main ("oic.r.refrigeration") Resource of the Device
relativeremainingtimeperiod	identifies the Resource as (overall) relative remaining time period ("oic.r.time.period")
relax	unit is in relax mode or state
remainingtimeperiod	identifies the Resource as (overall) absolute remaining time period ("oic.r.time.period")
remotecontrol	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of remote control

remotecontrolenable	identifies the Resource for remote control enable ("oic.r.switch.binary"), e.g. remote enablement of the Device
repeat	unit is in repeat mode or state
reserve	unit is in reserve mode or state
reserving	unit is in reserving state
restart	unit is in re-start mode or state
ringing	unit is in ringing state to indicate alarm, emergency, caution, and so on
rinse	unit is in rinse mode or state
rollershade	identifies that the instance of "oic.r.windowcovering" represents a roller shade
rollershade2	identifies that the instance of "oic.r.windowcovering" represents a two motor roller shade
rollershadeext	identifies that the instance of "oic.r.windowcovering" represents an exterior roller shade
rollershadeext2	identifies that the instance of "oic.r.windowcovering" represents an exterior two moto roller shade
sectored	unit is in sectored mode or state
select	unit is in select mode or state
securityrepeater	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of security repeater
setOption	unit is in a state whereby device options may be set
shake	unit is in shake mode or state
shoesDry	unit is in shoes dry mode or state
shutter	identifies that the instance of "oic.r.windowcovering" represents a shutter
silent	unit is in silent mode or state
sleep	unit is in sleep mode or state
sleepreservationtimeperiod	identifies the Resource ("oic.r.time.period") as sleep reservation time
smart	unit is in smart mode or state
soaking	unit is in soaking mode or state
soda	unit is in soda mode
spin	unit is in spin mode or state
spot	unit is in spot mode or state
spray	unit is in spray mode or state
standardcie	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of standard control and indicator equipment
start	unit is in start mode or state
startreservationtimeperiod	identifies the Resource ("oic.r.time.period") as start of reservation time
steam	unit is in steam mode or state
steamSoftening	unit is in steam softening mode or state, whereby the fabric is softened using only water and no softening additives

sterilize	unit is in sterilize mode or state
stop	identifies that the instance of "oic.r.movement.linear" represents stop
stopreservationtimeperiod	identifies the Resource ("oic.r.time.period") as stop of reservation time
stopped	error condition occurred
stretching	unit is in stretching mode or state
subDevice	unit is for a sub-device that makes up part of a main device
swd	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of standard warning device
targettemperature	identifies the target (setpoint) temperature ("oic.r.temperature") of the Device
testing	calibrating, preparing the unit
tiltblind	identifies that the instance of "oic.r.windowcovering" represents a tilt only tilt blind
tiltblind2mode	identifies that the instance of "oic.r.windowcovering" represents a tilt and lift tilt blind
toner	generic toner cartridge for a Device
tonerBlack	black toner cartridge for a Device
tonerCyan	cyan toner cartridge for a Device
tonerMagenta	magenta toner cartridge for a Device
tonerYellow	yellow toner cartridge for a Device
turbo	unit is in turbo mode or state
update	unit is in update mode or state
vendorspecific	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type that is specific to the manufacturer
vibrationsensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of vibration sensor
waiting	unit is in waiting mode or state
wakeup	unit is in wakeup state just after sleep mode
warm	unit is in warm mode or state
wash	unit is in wash mode or state
waterinfo	identifies the main water information ("oic.r.waterinfo") of the Device
waterfilterconsumable	identifies the main water filter consumable ("oic.r.consumable") of the Device
waterproofing	unit is in waterproofing mode or state
watersensor	identifies an "Intruder Alert Zone" ("oic.r.iaszoneinfo") type of water sensor
wet	unit is in wet mode or state
wind	unit is in wind mode
wrinklePrevent	unit is in winkle prevent mode
zigzag	unit is in zigzag mode or state

B.1.3 Standardized list of supported values for mode Resource Type ("oic.r.mode")

Table B.3 lists per Device Type enumeration values that should be exposed by the “supportedModes” Property and by extension allowed within the “modes” Property of the "oic.r.mode" Resource Type. A Device may additionally include in the enumeration any value defined in clause B.1.2. A Device shall not expose any value not defined in this document unless that value follows the requirements in clause 6.4.

Table B.2 – List of supported "oic.r.mode" values per Device Type ("rt")

Device Name (informative)	Device Type (rt) (Normative)	Supported enumeration value	Description
Air Conditioner	oic.r.airconditioner	airClean	This removes contaminants from the indoor air.
		airDry	This removes moisture from the inside of the device to prevent mould after cooling air.
		aroma	This adds a deodorizing scent to make the air fresher.
		auto	This automatically selects and operates cooling and/or heating based on the current temperature condition.
		cool	This cools the indoor air.
		coolClean	This removes contaminants while also cooling
		dryClean	This removes contaminants while also reducing humidity
		energySaving	This saves energy (electricity) by restricting some functions.
		fan	This circulates the inside air without cool and inflow of outside air.
Air Purifier	oic.d.airpurifier	auto	This is continuously checking the air quality and operating as needed to maintain good air quality.
		babyCare	This removes contaminants from indoor air and discharges clean air in a downward flow for babies and children.
		circulating	This circulates the inside air by using the fan inside the device.
		cleaning	This removes contaminants from the indoor air. In the case where the device consists of lower and upper sections, this function is operated only in the lower section.
		dual	This removes contaminants from the indoor air. In the case where the device consists of lower and upper sections, this function operates in both of sections.
		humidity	This increases moisture in the indoor air.
		silent	This reduces noise during the operation.
		sleep	This is a low power mode for the device to lower electrical consumption on standby.
Airer	oic.d.airer	airDry	This dries wet materials by using forced air (no heat).

		dry	This dries wet materials by using hot air.
		none	This is an undefined mode.
Dishwasher	oic.d.dishwasher	auto	This senses the soiled amount and soiled toughness and is optimized to achieve the best cleaning.
		cleaning	This means cleaning the inside of the device when there are no dishes.
		delicate	This is to clean delicate items (e.g., fine china, small plates, long cutlery, cups, glasses, and so on).
		energySaving	This saves energy by reducing the wash and rinsing temperature.
		express	This cleans lightly soiled dishes faster than “quick” mode.
		fast	This focuses on cleaning soiled dishes quickly.
		heavy	This cleans heavily soiled dishes with the strongest spray intensity.
		normal	This cleans soiled dishes for everyday use based on basic setting from manufacturers.
		quick	This quickly cleans the lightly soiled dishes used that were used recently.
		refresh	This is to freshen up and warm dishes that have been unused for a long time.
		rinse	This rinses dishes with water.
		spray	This provides selectable options for spray intensity. (For example, the options could be soft, medium, and strong)
		steam	This adds steam at the beginning of the cycle to improve the wash performance.
		turbo	This cleans heavily soiled dishes by using slightly more energy and water.
		update	This downloads a dedicated cycle via Wi-Fi, NFC, and so on.
Oven	oic.d.oven	baking	This cooks by dry heat in an oven
		convBake	This is a baking mode of a convection oven
		convRoast	This is a roasting mode of a convection oven
Robot Cleaner	oic.d.robotcleaner	after	unit is in a mode that is waiting for another trigger (after which)
		alarm	The unit is in an alarm mode
		edge	This is cleaning the outside perimeter of the area.
		macro	This is cleaning specific areas manually selected by a client.
		manual	The unit is under direct manual control
		part	This is handling a portion of the cleaning cycle
		point	The unit is at a defined or specific point (with respect to movement)
		powerOff	The unit is in a power off or standby mode

		repeat	This is repeating the previous set cycle
		sectored	This is cleaning complex areas by dividing the cleaning area into sections.
		select	This is cleaning areas selected by a client among divided sections of the indoor.
		spot	This is cleaning a small area within the radius of the manufacturer's default set.
		zigzag	This is cleaning each spot of indoor by moving zigzag.
Security Panel	oic.d.securityPanel	active	
		armedAway	
		armedInstant	
		armedMaximum	
		armedNightStay	
		armedStay	

The modes can be viewed upon as mode changes of the device. However, this document does not impose any relationship between the different modes of a Device. Hence all mode changes are expected to occur from a Client point of view.