

**OCF “Ipanema” – Additional "mode" values for specific Device Types – Smart Home  
WG CR 3352**

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## B.1 Standardized enumeration values

### B.1.1 Introduction

Resource Types may have a list of supported enumeration values. The supported enumeration values may differ when applied in different devices. In this clause the affected Resource Types are described by:

- List of supported values
- List of recommended values when applied to a specific Device Type

### 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.

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### 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 shall not expose any value not defined in Table B.3 unless that value follows the requirements in clause 6.4.

**Table B.1 – 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.
		dry	This reduces indoor humidity
		energySaving	This saves energy (electricity) by restricting some functions.
		fan	This circulates the inside air without cool and inflow of outside air.
		wind	This circulates the air with a stronger current or flow
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	auto	This is in automatic cleaning mode
		charging	This is when the Device is charging at the home station
		cleaning	This is standard cleaning mode
		edge	This is cleaning the outside perimeter of the area.
		homing	The Device is returning to its charging station, or producing a special signal so it can be found
		idle	This is when the unit is idle
		macro	This is cleaning specific areas manually selected by a client.
		map	The unit is performing its mapping function (creating a 2D map of the space)
		reserve	The unit is in a reserve mode that can be user defined
		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.
		stop	The Device has encountered an error or is otherwise stationary
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.