

# Overview: OCPP versions

## OCPP 1.5

June 2012  
SOAP

24x2 messages  
42 data types  
15 configuration keys

## OCPP 1.6

October 2015  
SOAP & JSON

60 use cases  
28x2 messages  
49 data types  
43 configuration keys

## OCPP 2.0

March 2018  
JSON

116 use cases  
65x2 messages  
129 data types  
85 configuration keys  
260 test cases

+ Improvements  
+ Smart Charging  
+ JSON support

+ Improvements  
+ Better documentation  
+ More functionalities

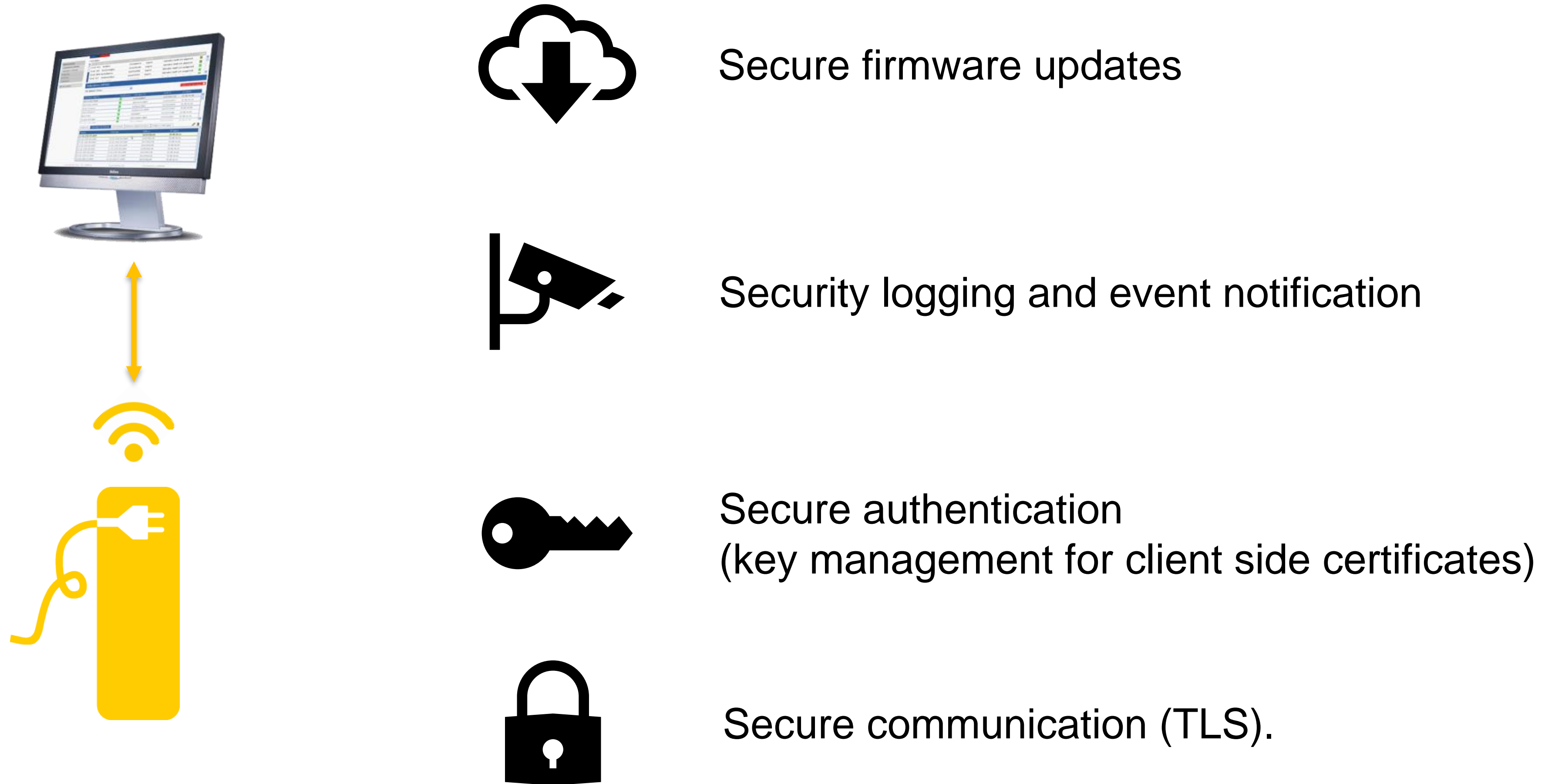


# OCPP 2.0 has more functionalities

	Functional 'blocks'	# Use cases	Δ with 1.6
<b>A</b>	<b>Security</b>	<b>4</b>	<b>New</b>
B	Provisioning	12	Plus 5 use cases
C	Authorization	16	Plus 6 use cases
D	Local Authorization list management	2	-
<b>E</b>	<b>Transactions</b>	<b>15</b>	<b>Plus 2</b>
F	Remote control	6	Plus 1
G	Availability	4	Plus 1
H	Reservation	4	-
I	Tariff & Cost	6	New
J	Meter values	3	Plus 1
<b>K</b>	<b>Smart charging</b>	<b>20</b>	<b>Plus 10</b>
L	Firmware management	6	Plus 2
<b>M</b>	<b>15118 Certificate management</b>	<b>6</b>	<b>New</b>
<b>N</b>	<b>Diagnostics</b>	<b>8</b>	<b>Plus 7</b>
O	Display message	6	New
P	Data Transfer	2	-

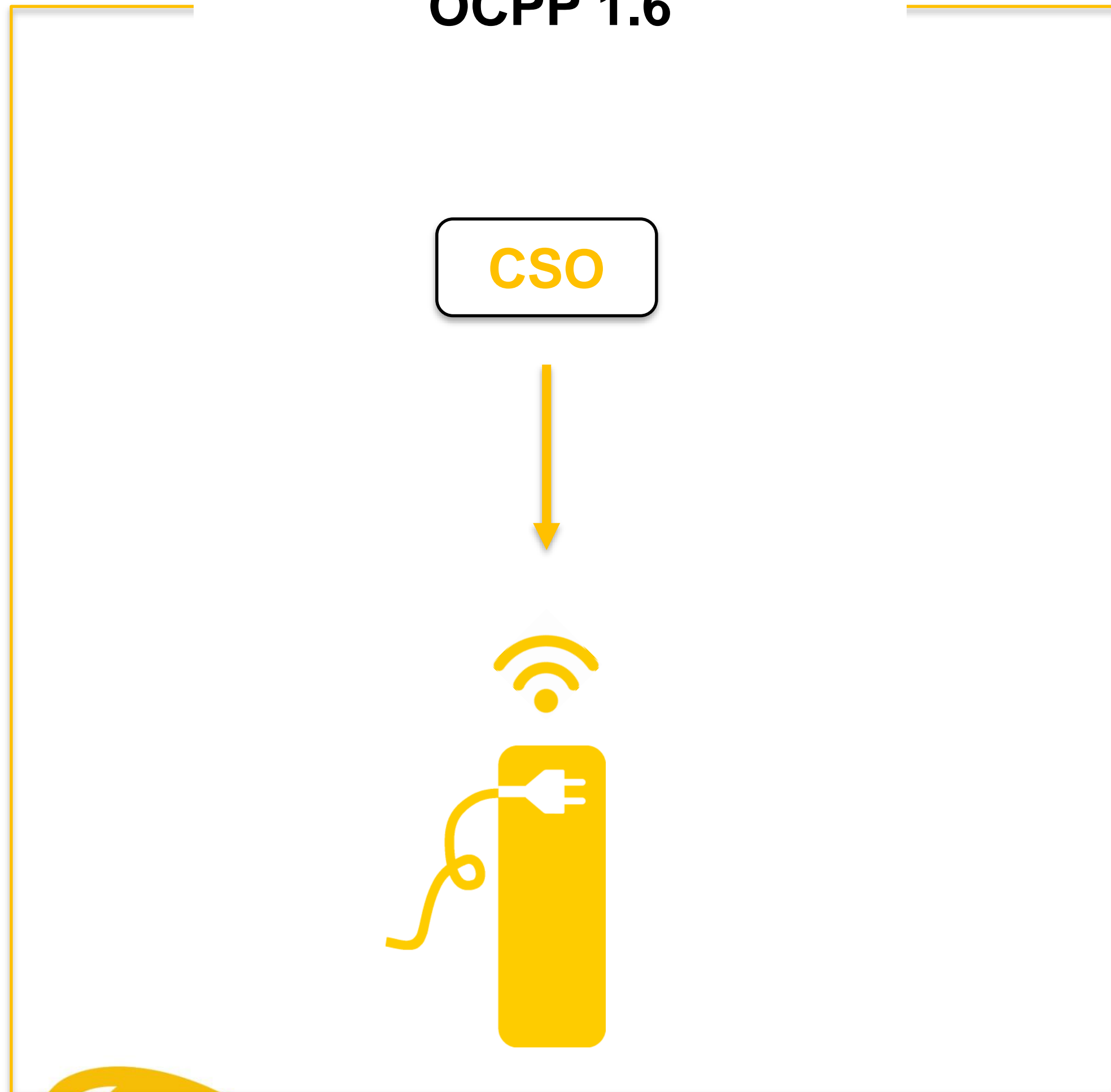


# New: OCPP 2.0 Security extensions

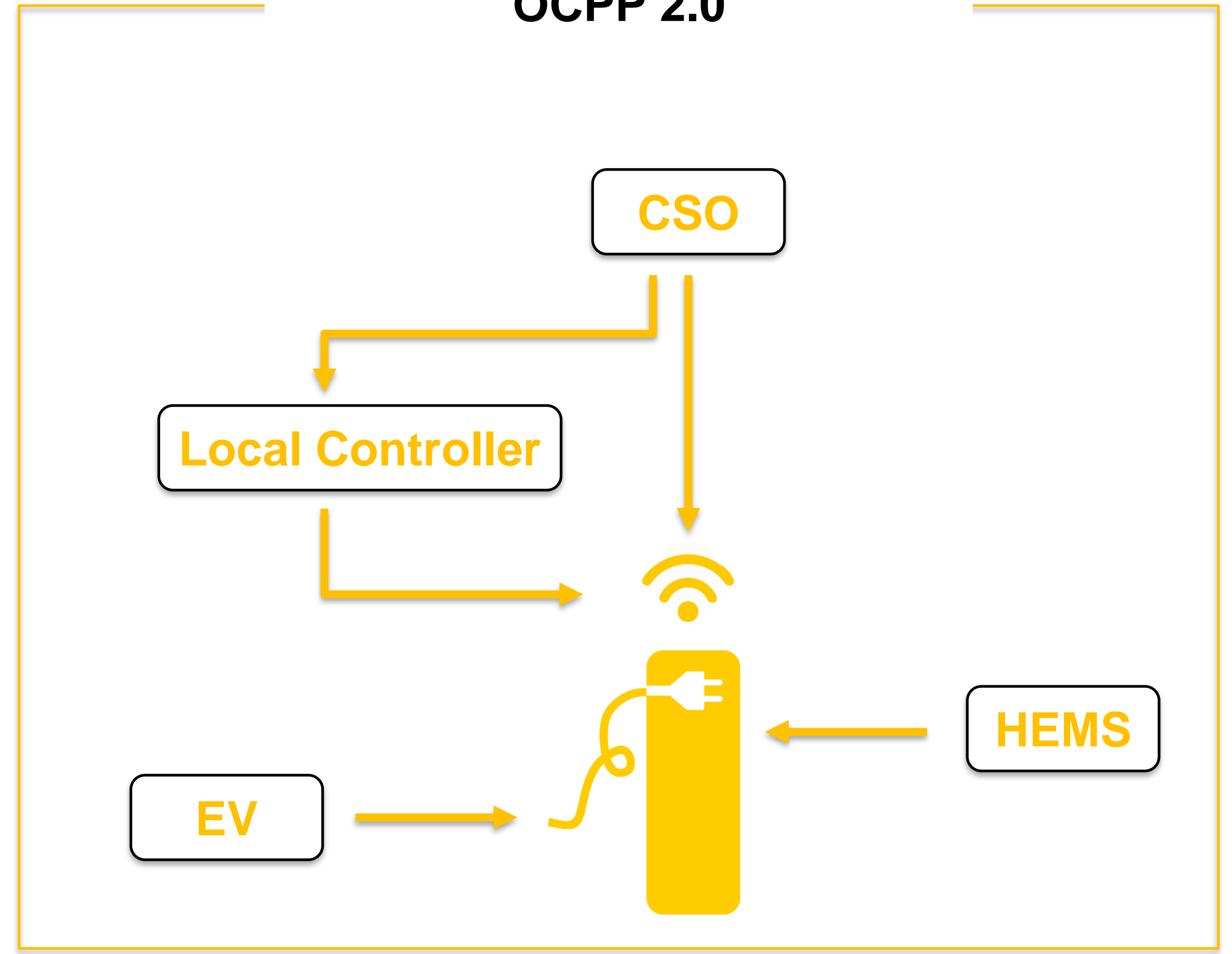


# Extended: Smart Charging

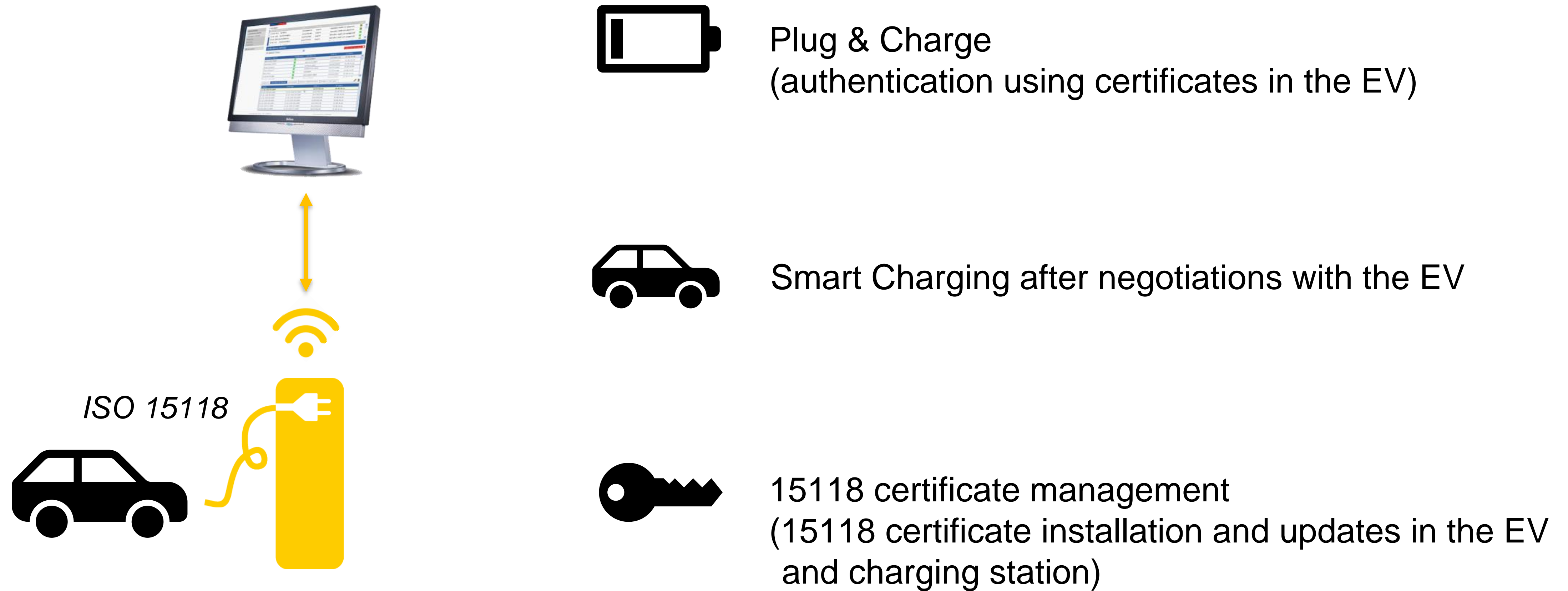
## OCPP 1.6



## OCPP 2.0



# New: 15118 support



# New: Device management

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