**3GPP TSG-SA WG1 Meeting #92e S1-204067r04**

**Electronic Meeting, 11-20 November** *(revision of S1-20xxxx)*

Title: PINs –PIN definition updates

Agenda Item: 7.12.1 - FS\_PINs

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*Abstract: This contribution proposes to update PIN definition*

# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

**direct device connection:** See definition in TS 22.261 [2].

Editor’s Note: since this term only applies between two UEs, this term needs to be adapted to apply in the context of this TR, e.g. to describe a connection between two PIN elements that are not UEs.

**direct network connection:** See definition in TS 22.261 [2].

Editor’s Note: since this term only applies between a UE and 5G Network, this term may need to be adapted to apply in the context of this TR, e.g. in case that PIN element with Gateway capability is not a UE.

**IoT device:** See definition in TS 22.261 [2].

**PIN Element:** the basic component making up a PIN-Users Personal IoT Network. The PIN Element maybe an IoT device, TE, MT, ME, “thing” (See sub clause 26a.1 3GPP TS 22.101 [3]) or even a complete UE.

**PIN Element with Gateway Capability:** can act as a gateway that provides access to and from the public operators network (fixed/mobile/cable) and a PIN.

NOTE: A PIN Element can have both PIN management capability and Gateway Capability.

Editor’s Note: The relationship with FS\_RESIDENT Evolved Residential Gateway still needs FFS.

**PIN Element with Management Capability:** A PIN Element with PIN management Capability has capability to manage the PIN.

Editor’s Note: Examples could be added to PIN Element with Management Capability based on agreed usecase.

**Personal IoT Network:** one or more PIN Elements that communicate with each other.

**PIN-User:** The PIN-User is the person who owns the PIN with respective subscriptions at one service provider.

Editor’s Note: The above terms PIN Element, PIN Element with Gateway Capability, PIN Element with Management Capability where agreed at SA1#92e, they need to be applied to all usecases in this TR. This will be via contribution to the next SA1 meeting.

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

PIN Personal IoT Network