COVID-19 Footprint Using Location

Ericsson — Technology for good

Can we leverage the technology to prevent 40% of world population from Covid-19 ?

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The Problem

— As corona virus is 'real pandemic' as per WHO. The control over infected person is becoming very challenging and each one of us are pushed for 'fear'

— Today, Government and Health officials are struggling and perplexed to track *Where abouts of an Covid-19 infected person and group the person roamed around'* so the necessary control actions can be taken.

— USA federal departments CDC and CBP officials were clueless about where the passenger went from airport though the information has been collected in a form.

— Real problem, the person gives an address and he/she might be travelling to different location. (Actual problem raised by CDC officials over last weeks Senate hearing)

— Concerning fact is 'How to track the infected persons foot print'. This is been causing panic to general public being lock down in their own homes.

A new approach is needed for the coronavirus tracking.

Imagine Ericsson jointly working with Operators and tech giants such as Google and apple leveraging 'The Location' information super imposed on the maps that is available.

Location is 'Private' but it can be have an exception to use it under such pandemic crisis situation with a compliance and controlled access to federal departments alone in place.

Provide location access to federal or WHO through an exposed API from an operator, the privacy compliance can be controlled and utilized for public safety.

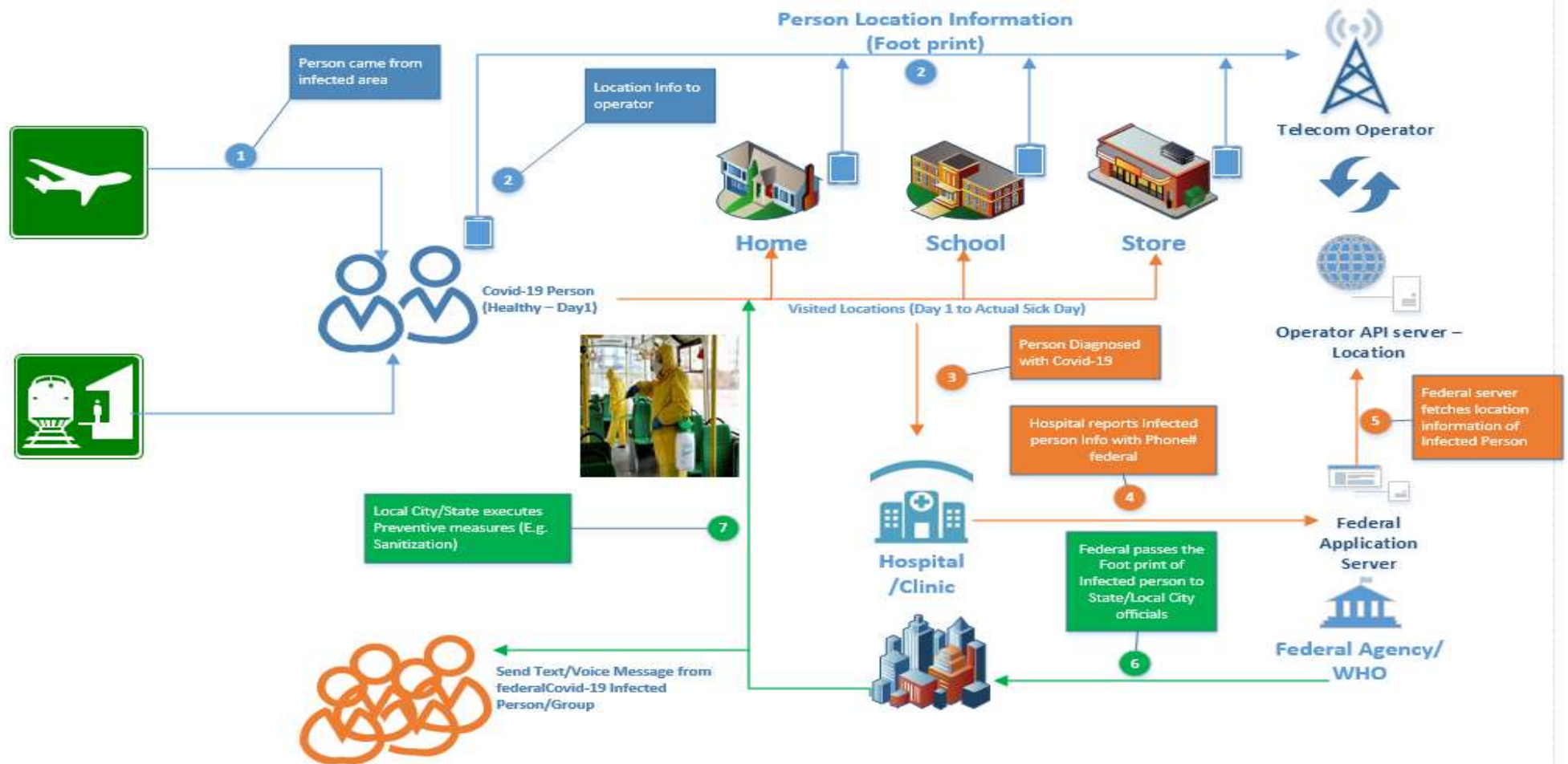Ericsson CSR opportunity towards world crisis situation –Technology for good
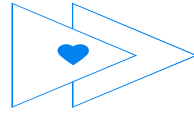
Use-Case — using Location information

— Location information is used to track where the infected person and/or group moved around the local area (E.g., Visited school, travelled from airport, Department store…)

— Create super imposed location information with maps and share the relevant information to local city and state departments to take necessary measures based on the foot print(past visits) of the 'Infected Person' in the local areas

— This solution will address 'Unable to trace' where abouts of an infected person and/or group to best of it's extent

— Sharing location to Federal or UN agency would not lead to privacy concerns during crisis.

— Government can handle the panic situation in a controlled way by knowing the Covid-19 footprint and take necessary measures

   — Supply chain of Tests, Medicines and Ventilators

   — Disinfecting the most impacted areas

   — Tracking and controlling the infected people on a regular basis

   — Provide more assistance in terms of physiological, monetory

Solution – Technology for Good

The Joint Effort

Empathy and humanness

Ericsson & Operators + Tech Giants

—Expose an API to provide location history and current information based on phone number
—Jointly work with Operators and/or utilize the location information from Google maps and provide an API to expose 'actual place' (E.g. department store, School)

WHO /Federal Agency

—Build an application ' Covid-19 Foot Print' based on the API's exposed by inputting phone number.
—Open up the application to hospitals network to report infected cases
—Utilize the location information and super impose with maps
—Alert the state and local city departments to take necessary proactive measures (e.g. Disinfecting the last visited place)
—Track the infected person and/or group that person roamed around until Quarantine period is over.

Hospitals/Clinics

—Hospital and Diagnostics organization network uses 'Covid-19 Tracker' to key in infected person personal information along with phone number

Ericsson leveraging it's network technology supporting 'Technology for Good'

Business Model: Ericsson can be mediator for the whole solution and between players. i.e., follow similar to business model like 'Mobile Number Portability(MNP)'

We are Ericsson!