# Title: Standards for Smart Cities

Subject: Standards & Indications

* Governance

Abstract:

In a path towards smarter cities, standardization plays a key role by supporting the widespread adoption of common approaches and ensuring consistent outcomes as well as compatibility among technologies and services. Yet cities are complex and multi-dimensional systems, thus no single standards organization can provide everything needed. How can the standards world better collaborate to serve the needs of cities and their citizens to tackle common challenges?

Speakers:

#### Katie Bird

#### Daniel Martinez Villaamil

#### Gao Sumei

#### Frans Vreeswijk

#### Chaesub Lee

#### Sergio Mujica

Conference:

okay good afternoon ladies and gentlemen

I think we'll make a start apologies for

being a few minutes late we had a few

presentation issues but I think we're

there now so just wait for everybody to

take a seat on the stage

okay so I think we'll make a start then

thank you very much for attending this

this session my name is Katie bird and

I'll be moderating the session this

afternoon the idea behind this panel is

to explore the link between standards

and smart cities and we're lucky enough

to have some great experts up here on

the panel with us today

who'll be helping us out with this task

and we have mr. Daniel Martinez the

mayor of Montevideo miss Gauss who may

the executive secretary general of the

China electronics and information

industry Alliance and the heads of the

three leading international standards

organizations mr. France reader ik from

the IEC mr. Sethna Mujica from Izone and

mr. chase herb lead from ITU so as I

mentioned this panel is all about

standards and smart cities so on the one

hand we have standards which contain

guidelines or best practice or

specifications to ensure that things

work well safely and efficiently and on

the other hand we of course have our

urban areas our cities who are facing

many new and varied challenges today

very varied anything from traffic

mobility or fluidity to public

transportation systems to ensuring that

citizens have access to clean water or

improving connectivity so our job here

today is to explore how standards can

support smart cities in facing some of

these new challenges so I'd like to

thank all of our panelists for agreeing

to be part of this conversation and to

thank you all for for joining us today

so thank you thank you very much so just

to give you a few practical notes as we

progress through the session each of our

speakers has a very short presentation

and then we'll have a 15-minute question

and answer session at

and so some of you may know if you've

attended other panels already during the

day we actually have a tool that the

organizers have given us to help out

with that Q&A; session and this is an app

on the app itself you can submit your

questions there then visible to all of

the participants and can be voted on and

that allows me to know in the question

and answer session

which are the most popular questions so

if you have the app installed on your

phone you can go to the ask and vote

part of the app find our session on

there and then type away so you can ask

a question at any time during the

session but we'll ask them only at the

end and of course don't panic if you

don't have the app or you're not quite

sure how it works we can also do

questions the old-fashioned way and you

can just put your hand up during the

question-and-answer session and we'll

cover as many of those as we can so just

one final note before we get started we

will be presenting in a couple of

different languages here on the stage

today so keep your headsets handy for

the interpretation if you'll need okay

so we don't have so much time today so

without further ado I shall hand over to

our first speaker mr. France

lyric who is the general secretary and

CEO of the IEC the International

Electrotechnical Corporation so I will

hand over

so thank you very much Casey for the

introduction good afternoon ladies and

gentlemen I'm very happy and honored to

be here and see such a full audience

here today that's really great and I

hope you'll have a good and lively

discussion and as we can contribute here

as speakers a lot to your understanding

why standards matter for smart cities so

power for cities is what I said cities

they need electricity or everything and

the IEC work provides the technical

foundation for the millions of

electrical and electronic systems and

devices that are used in cities and I

think I'm going to yes no hang on okay

yes good next slide but first of all who

knows the IEC may I see a show of hands

yes yes yes okay good good but not

everyone yet so I will say a few words

about IEC the IEC is a global

not-for-profit quasi-governmental

organization that brings together 170

countries representing 99 percent of the

world population and 99 percent of the

world electricity generation we publish

international standards that fully

satisfy the world trade technical

barriers to trade agreements WTO TBT

most countries in the world accepted

products that are built and tested

according to IEC standards the IEC

provides a global platform and knowledge

platform where some 20,000 experts

volunteers from all over the world

cooperates and they develop the

international standards that are needed

by the public and the private entities

international standards are voluntary

only governments can make them mandatory

but they are voluntary

there are consensus based technical

documents that represent an agreed way

of achieving the same outcome reliably

time and again

in over 200 technical committees these

experts agree on the technical

specifications the measurements the

rating methodologies that allow millions

of electronic and electric devices and

systems to work together safely and

efficiently

these globally relevant international

standards are then adopted in many

countries around the world and for

example close to 80 percent of the

European standards are in fact IEC

standards the IC also administers for

conformity assessment systems whose

members verify and certify that products

fully qualify and they fulfill the

quality the safety and the efficiency

that the standards need to do so cities

cities are giant systems with countless

subsystems no two cities are alike or

need the same solutions but all of them

depend on electricity and hardware to

move people and things around to collect

data and exchange information it is

impossible to build an efficient urban

infrastructure without reliable energy

access no electricity simply means no

smart city and the IEC provides the

majority of the international standards

needed to safely interconnect and

automates much of the city

infrastructure that generates or uses

the electricity and contains the

electronics they opened the door to a

larger choice of products and also

facilitate long term maintenance and

repair these benefits both the city and

its citizens our work for the cities

they cover it smart electrification and

all forms of energy generation if you

think about the electrical and

electronic infrastructure for

transportation which includes trains

light railways tramps metro systems

electric and hydrogen buses cars a

scooters bikes cable cars etc supporting

infrastructure which we cover for

example in train and metro stations like

lights displays and the turnstiles the

ticketing machines the escalators

everything and the majority of the

electrical and electronic equipment that

is used in airports they check in at

luggage the conveyor systems to

transport the tracking the runway

lighting the security DX's control but

also think about the vertical water

management and here in this pictogram

you see several of those verticals water

management all the electronics and

electrics the pumps the saves the valves

the sensors the control systems it's all

needed to have clean and recyclable

water in a city without that there is

simply no hygiene so we also supports

with our standards the devices in

systems that collect data including data

centers computers fiber optic sensors as

well as security and cyber security home

and building automation household office

supplies but also everything in the

healthcare sector in hospitals in

doctors offices think about prevention

and diagnosis and treatment and then of

course supermarkets the freezers delight

Rick's delights the scanners everything

we contribute to ensuring the safety of

every living being the security of

physical and virtual systems and the

management of resources are much more

and for all these reasons every smart

city project should include IC standards

and think about its purpose and its

fulfillment there to achieve smart

cities cooperation is a must and no

longer optional why do we say that

because we are here with three

international standardization

organizations and we have recognized the

three of us that we need to cooperate

and I see extensively cooperated many

different stakeholder

and standards organizations including

consortium and fora from around the

world our aim is to bring onboard

know-how and expertise in a systems

approach and to avoid duplication and

this is also the reason why we initiated

the first world smart city forum in

Singapore last week in partnership with

ISO and ITU so IAC work helps to power

cities it contributes to 12 of the 17

sustainable development goals of the UN

and it helps to make the world a safer

and more efficient place thank you for

your attention

okay thank you very much for sharing

your thoughts on how electricity is

obviously very much a kind of central

theme for smart cities and of course the

standards that go along with that so I'd

now like to introduce our next speaker

and this gal su Mei the executive

secretary general of China's electronics

and information industry alliance

[Applause]

Koel I be near my aha moment at Yamaha

fish and oceania go change your shirt

Tahu a surgeon can see true bang bang

Kalavati Sueko geodesy way was SE suniye

Terran guardianes sincere hi Aliannah

Turpin sukiyaki pure she really the true

ha Tangier a guitar is Ojeda I'm Hanna

yo a lady and auntie Xiao Qian Gua to

reach Hong Shi de father Sandra

neuromodulation sheena serie de cochon

watch hungry hon atresia jewish Hashanah

yes a Buddha Juan de Santa Maria Tobias

Erica

Kamisha nigga sequía commenting gear

sanguine quality gotcha true that

transition - kanchanaburi Liliana

- Joanna Kennelly you can fire a fancy

or situation Jenna somewhere which

Angela can say when Buddha sentient

region Nami Senate amatriciana

to an offense to Argentina Sangha nigga

fine and Correa de ganar cha cha cha

hwa-jung wanna go to de Jong state

relationship I cannot you say Jon Secada

to go home Nina the adalat in Buddhist

Shiva cho jungseok oh yeah

- hyah - aah - hissing - which one - the

queen wise epoch

- would you find changing one language

and the power to mother our Dharma

teachings of the truth Hana team would

teach a lot to share too much aggression

is a senior shinji show the company in

europe nominee we understand fucker yes

that team would quit him singing Jewish

from GTA true holiday hero guy yeah but

when I'm introduced without quitting to

reach Hong sure your teeth and pocket

didn't want a cacciucco ha

Paco - Deepika yes that he truly our

financial chavacano

commercial attention to share my Samana

how can you john deere singing - Oh John

Cena yes channel I take up yoga

transient relationship yoga teacher

Chancellor full hand after you leave

attrition electron water retention of

important we did GT got Korea lambda

Arabic Ariana Josh John Walker

leadership and Hong Shi numata cry surah

fatiha purusa sincere service revenge on

Chicano to worship and country house in

human emotion Hyuga Jewish agenda to go

through WA our General Assembly in

Chicago family Alejandro Falla govern

the Medusa

so our darling engine watch ok sergeant

yada younger the insula just a chunk

water to a traditional English were

sensational curtisha pn d haha no meteor

darling

new offender shahe which engine 118 your

little baggage ship fur girl passengers

yo Sherwood a fortune Ishikawa initially

oh the TCD juncture

the master hominid Oh true holiday got

chunks ha ha

tickety ha Hosanna Dada lat

Shama yeah she's sure the ark occurred

yet no Matisse

this angered Coriana to share too much

of a traditional change in general are

Galician fact at the scene Deirdre wish

mrs. Marsh wanna give me two more to

attend her party at her she artfulness

samples Oh number tu PO - Johanna hi

guys for sure you got Shibuya numbers I

take a Sienna to our society Alicia

could Georgia thanks Rhonda you should

try sounding yet since you ha since you

had to take attention non pyramid Rhonda

to our tanks what yeah I'm sick I'm not

sure I should congratulate a cat inside

you should I do I think your teacher

should ensure the mamo-chan I said on

some PRT I shan't insanity against an

idea

RJ not sure yoga contractual genre

chigga chigga chung chigga chigga chigga

chigga chigga chung chigga chigga chung

hua hai OCC de kinshasa

Lamia do rah woman tiempo need your

mightiness sitting she's young chung

chigga chung here the madam Jami Gina

sure sure - mwah - chewy joke women

agents agua la Li Wang Yi ran away I

don't wanna to watch consider change to

the fire at an apartment essentially

Charlotte sung soo father

darling healing and AHA - mwah - 800

shrunk Ramona sound tada

Shri Balaji's were yo yahushua

- mother - 800 mutiny in generally go

quite so far did you go - I should have

Quinn what is that - motherfucker - waka

da dum tshhh too much of a juncture

there you go sang occurred yet

no matter what that yeah yes yeah yes

right so what you 800 obey like she shit

you mean too much tension away like this

you shit

number one the Lydian I heard anything

about passing letting John Romita

Mashona

Shoshanna sure nigga sure that he Shula

younger Banyan de Leon opinion a nigga

father movie are nematic her father who

be able to eat Runa yeah we don't watch

ovation and illegally ah who the father

and the kun da insanity go tuition at

your share congratulate up your

intelligential

to motivate Rasheeda dig too much

aggression Shapiro hot zone here -

that's an artisan yeah year for Jamila

the minutiae Twitter Christmas

understanding up your dress

true worship your drain the Jigga miss

you and your goons were early in each

Enya and you're fabulous

you're fabulous suitable dress protein

is an irony Liliana Shahana don't wanna

do you Jim fabulous see him to return to

the pinky up your dress I'm see children

that should had a toteal yo leader we

don't turn watcher which one should

attend - easy country she the father no

meteor could yet that you should kanji a

- don't jiggle bong water and she don't

wanna see go borrowed agua yeah she's

young coach just wow well Meatwad ego

Katya number how do you know

follow the Union National meeting you

the kigali yes number one on China

- you - mwah degenerate Indian legend

Granger though she she went to Yoda

serenajoe Satan wanna be a nigger see

Rusia didn't usual yeah wha-wha-what be

entering awards jung-hwa I'm Johnson you

should to manage with hello what a

chance' by choo chugga chugga chugga

chugga don't watch every time she whines

handle attention joshi diarga this

angered Korea that you sure Chum watcher

which I'm sure the fire Anna how that I

don't shout yeah chanting Buddhist

chants yeah now many family and ajusshi

have we paid on that jungle where the

other shows the Jing Yi Saracens angle

BAC Angeles Center - EW yeah hardening a

chunker the Union Oh Queen Medea Magadha

Bhatia gonna talk a team both adhesion

the Argonauts you should have a title

since young Chinese in seeking high yet

in your sins retires occurs with the

father I'm a mother father she's Anna

generations yeah I call you what so my

biggest passion you got equipment I put

on a kadhai shaping up with yep

an official function I saw the show you

not yes I Buddha Jigar Singh job

we like a China Fagin a young Kannada

for you me one day a challenge is out

your car yeah sure

way like that wait I don't challenge is

idea communion without single Christ

with a father

the Mateschitz on watch a Wichita

relights you should the Sangha for me

yet

let me also true no longer the Jewish

when you should obey like this shit

hana-chan I she kept on fighting at some

gas to enlighten a yes she wants a so

the Cougars Jana Jana thoughts hunger

the to return to the channel number

chonwati and the sincere highly ocarina

yeah wait yeah

cognac went to mother children she

defied a commission a away vehicle its

year is everyone this year we won the

Chong funny Italian could go to Shanghai

nigga la muchacha audience in a highly

awkward aku and I mean congratulating

you're taking us about what your

function on hierarchy that yoga - where

the militia from wayna someone chance

hello I'm the contamination idea so you

know Mia fish hunter one year - yeah

you should good what this yeah that's

how you junghwa function a yeah well I

thought emergency Holly whoo woman pound

you could she like so easier

you ain't burning so that way she should

have a idea she had idea okay thank you

very much for sharing some of China's

experiences with smart cities and fund

aligning the importance of collaboration

amongst industry groups and then also

standards organizations will now move on

to a third speaker of the panel

mr. Sir Hugh Mujica the

secretary-general of either the

International Organization for

Standardization

Thank You Katie good afternoon ladies

and gentlemen and very happy to be here

and to have the opportunity to share a

few ideas with with you before I start

my presentation and three concepts and

that I would like to stay with you to

set the scene for for the presentation

first by the year 2050 over 65 percent

of the world population will live in

cities according to the UN and that

means that what we do here affects

billion of people so what we do here

matters so we better do it right second

the concept of smart cities does not

belong to highly developed cities or

countries

it's not about London is not about Paris

it's not even about Barcelona it it is

not about robotics or high text disobey

shun it's a way to travel

it's a money to do things and just a few

weeks ago I had the pleasure to

celebrate the world standards day in

Zimbabwe and I was really amazed to see

the level of commitment and enthusiasm

everybody has their to make the city of

Harare as much city and the third key

concept is nobody can make a smart city

on his own so ISO is very happy to

support the construction of a smart city

but we know that there is a bigger

picture here and coordination is

essential

the good news is that we're not starting

from scratch 20 years ago nobody could

have imagined that we have emergency

services navigate along using the

fastest route or waste collectors that

know exactly when recycle bins are full

or free Wi-Fi everywhere so there is a

lot of progress out there we need to be

very proud of that but that is happening

right now as we speak

but of course there are a lot of

challenges and some of them you can see

on the screen and that means that there

is a golden opportunity for all of us to

address these challenges and to

contribute to improve life of billion of

people and of course we believe that

standards are an indispensable element

to address those challenges in an

efficient and successful manner and why

because standards provide a common

language where we can exchange

information we can identify best

practices and we can also monitor

progress which is really important

second standards can help us to have an

efficient management of resources and

also stimulate innovation because we can

build on common grounds how can I so

help well the same service as France

does anyone knows ISIL is so yeah all

right

good well I'm convinced that isodyne

helps a lot by first providing an

overall framework to define what smart

city means for me and how to get there

we need to provide responses but

respecting the identity and the reality

of each country and each city and I

think the flagship here is our ISO

37-thousand 101 which sets out the basic

for sustainable development in

communities and also the strategy to get

there but we also have developed a

number of standards to address some

specific areas which are very important

to make our cities smart you can see the

specific areas there on the screen so

this is standard represent international

consensus and best practices and a

concrete pathway to achieve our

sustainable development goals but it's

not only what we do international

standards it's also how we do it the

manner we develop these standards and in

ISO we create standards first in a

transparent manner we provide full

information about the development of the

standards in all the various steps for

that process of development second the

standard we develop our consensus based

we do not impose standards we co-create

standards with our stakeholders and

finally the third few few the first a

characteristic of standards is that we

apply an inclusive approach so it's very

important for us to respect the

diversity of our stakeholders such as

regulators politicians industry citizens

etc

now a couple of words about the future

how do we see the future first if we

want to create smart cities we need to

make sure that we apply smart

collaboration so we need to combine our

talents for a better performance that

requires first addition a vision to

understand that the bigger picture is

sometimes more important that the

individual pieces and second lot of

generosity because when I collaborate

with others when I coordinate my actions

with others and I lose part of my

autonomy but with a view to getting a

better result

so as I'd like to say everybody likes

coordination but nobody like being

coordinated and that is the talent we

have in front of us it's a challenge

that we need to address by having this

vision and by applying lot of generosity

second in this coordination we need to

address specifically first our fifth our

organization ITU and IEC we had a couple

of good news there we sign a letter of

intent about cooperation smart cities

precisely in the last General Assembly

of ISIL in Berlin and also the president

of the three organizations sent a letter

to all members asking them to coordinate

at national level sometimes is even more

challenging even more difficult to have

that kind of coordination at national

level and we also need to include others

apart from IC and ITU other standard

development organizations and that is

why we have organized world's March city

forum tomorrow and the day after

tomorrow so we make sure that we can

engage with those other standard

development organizations and the other

element the third element about the

future is that we need to be bold and

open for change in the last General

in September 162 I saw members signed

the Berlin declaration under the slogan

under the motto open minded open for

change we cannot succeed in our efforts

to build smart cities if we do business

as usual we need to go further and to do

more especially if we believe that what

we do matters and effects and we have

also the opportunity to improve the

quality of life of billion of people

thank you very much thank you very much

Sergio for sharing how important the

work is that we're all doing in this

room today and for highlighting some of

the tools that in fact already exist so

we'll now move on to our fourth speaker

for the panel mr. Daniel Martinez the

mayor of Montevideo and Uruguay so

hopefully we should be good

bueno buenas tardes un placer el talaga

me toque hablar en el área de lo que

somos novia no locales en este tema que

esta revolution ando creo que positive

Ament a el mundo sabe endo unco numero

opportuni ah days quiero decir tambien

que el tema delta panel lokan sido muy

importante para alguien Area industrial

y que le token para trabajar estudiante

una rafinha petróleo no less ah hey

Noel team enormous in assess and raise

Segundo entails para las cosas bien con

excelencia

Phu Yen dou Madrid o e compr are say

beyond ok apart a la aplicación de

Norma's te permit a plan if akar attend

our visualization en el futuro de que

for no un bien avance ando en las need

any mentos a strategy COEs que lo que

tenemos que tan algo mas Nueces se polo

pronto implicant desafio muchas veces la

ciudad A's ok nesset our al mondo la

ciudad a's piensa en el corto plazo y

los estándares y la la implementation

destined eres no da hooter meant a sakip

acid odd OS a fundamental additive o de

poder pensar en el largo plazo sabe end

o que la tranformation del Tracey da

days

normal meant a Noah bar con un período

de la oración del vino del gobierno de

un politico sino que tenemos que no la

cabeza la capacidad de pensar rehmannia

strategic infusion de local Oceano

necesitan NOS interns politico's mess in

do Al's llaves por que no mami quino's

por lo tanto rasam oh yeah play demos

yet iniciativa baramos co mucho interés

lo lo que Seguin relies on Dolapo a

piloto y so sienna indica doors que que

bueno que esta empezando de sarousch our

focus on ESO era niente trabajo para

trabajar embassy objetivo de me corto

Mediano pero sobre todo de largo plazo

en el medio la position la luz no me de

haber nada para el ante sigue supone que

un compañero a star haciendo pasar

pantazes novara starring q Ladas en lo

que diga simplemente see al ghul Okyere

me Darla's bar tennessee información de

lo que estamos en de la cont do

pero creo que ce blent ace amor

emma's say alguno despues a lo quiere

entra en la pagina / - yeah Logan Tran

glia lo puedo hacer pero pero es ammo

indica t we'd add information so I hear

ya balance and operator careless creo

que lo fundamental de forma say que la

la la norma's tienen que ser para algo

gusta men telemedicine elementos de

medici own evaluation caper meetin a

value our controller bear distancia me

ento acercamiento objetivos to turn our

comparison coleauxv estación de otro

lado x' no son neutrality rest our

infusion doge a dios por ESO para para

nosotros a fundamentally montevideo lo

que premio quisimos es para que queremos

no co intelligent a la primera pregunta

grissom hacer es más recuerdo de una

conversación cuando soy yo Alecto yada

koala estaba una semana que el alcalde

c'est de barcelona no estan filter ona

la herida de la una y un poco de cutie

damos sobre para que si gracias

intelligent a's

yell debate AC solo son tema de

tecnología no es un tema de que debe

servire como una Rami enta par latter

formation por ESO no se lo que queremos

que primero que marcado's vedios

dis Orazio konami cozy tent ability'

integrati o inclusion Yael Dodd

oportunidades i participation i control

co adano desde los objetivos par los

cuales estará me enta de de ser

funcional por supuesto que Pardee des

Rosiers oh no amigo trajo empresas

privada 'he's no somos para nada

lejano de esto es más de americanos eat

Arlo's un Armas están de una pequeña

sua case amante do capital de lui con

solo mission tray siento gente militant

espero con el quadrant ii o por ciento

los negocios que en su capital donde

esta Mo's la capitale la montee gunto

con grupo de OCHA no de empresas de

center deseo porque tengo la grande con

nosotros

Anabelle del trabajo de scaizi

intelligent a's no estamos no pero lo

queremos series no UN problema de

tecnología

en inter made a la cosa de la cosa es

muy importante

yes Lara me enta pero que por alla

infusion Doge Etios

por ESO no se otro movin Iago condo

sarazar políticas eno quails de Sorrows

ahmo's un centro christian de Mobilia

code impact on teh resultados cam

permitido no so lo mejor ELO's tiempo de

Plaza mientras la ciudad see Nova har en

a caso lugar en un de funtional la CIMA

for accession intelligente UNC sent

initiate a poor siendo los accidentes

Desiro Samos a Tom OS arose on dohoon

token Empress's privada C yump rendered

or ACP Knesset our tap sistema de

contrôle pres emplo division del senado

de contain adores medicine de ruin

différentes punto de calidad de calidad

de rozier movin o tecnológica meant a

mucho facto result organelle sector

privado l center della della Kadima pero

ESO es como se mozo de la parte del del

del trabajo una parte de lo que queremos

unless Atomos a ser para Laura los

objetivos que SATA fashioned o los

ciudadanos pero también esta la otra

pata de forma lagron OHS en este mundo

de marrón a Lakia como los amo algún

socio lo Annabelle doll rationale en

donde parece que todos en la Banali de

la Paix importancia y la estancia la

government a fuera el paradigmatic

necesitamos creer utilize honest es

inteligente a si la sera Mientus de la

conc intelligent A's

como Iranian today sir Canyon Co Edano

de transparencia por que los llanos

sipping loki atomos asientos haciendo

que controllin en que estamos de niro

públicos pero su s tambien de forma de

poder critic our report arias in terror

Sato información a la hora de poder a

value our nose in ter SPD to critic o

para tener los elementos

para jugar a quiénes los llanos

depositor oh no su voto por ESO no es a

Rosado Montone day a Peppa's extra

mentos atrovent a sistema de la red acc

temmuz des marseille smarphones

de forma de que los sodanope weddin

tener en una vez au sistema de penndot

a-- access o absolutamente toda la

información y el trabajo say case a

general in tendencia deduce agin en

todas obras que Sambo Tod oh and Annabel

Lee case and a co sir Anabel del Del Rey

in LA municipal er in tendency acaba en

un tiro a un control de lo que se quanto

serra Todd okay Sabrina siendo chain

available Sabra

de complement Oh Knievel satisfaccion

impact on a CEO Daniel tetiny Ando

utilize our también la la la hija para

informal allo vecinos de cada lugar

donde una hora de France - todas está

siendo

Calton ateva tienen demova need a

deposition de receive owes Sergio's

guano's soluciones que hacer que la

hestian y la trappe Orencia la gestion

de la ciudad y la trappe Orencia el

control de ayudarnos a la vie de côte d

anna harrier tambien a paper caper

meetin soluciones problemas cote de

noche saber cuanto a maroon busca

alternativa tengo para un punto otro

simi comeon esperar a CNT bordega bien

esta muy say no en cetera cetera

o soluciones que definitive Oh nos

permiten yo know Kelsey o no se sienta

participate protagonist ax de lo que es

la gestion en esta época de Malaga

decir muchas veces para Sierra que los

Politico fuera Mo's más para cenar hey

la pantalla chica or do me do electroni

go y hacer de carne uso c-- or / tenemos

el desafío de hacer que la tecnología

Nasia simplemente algo sin Alma be free

Oh si lo que l'otan hola here tambien

Silva para Sircar la gestion pública

alcio no Casey oh no sienta party

participate at rubella trap Orencia ctrl

+ OS tan inform on D control ando critic

on dope lan diablo viendo a proton de

deus pero siendo protagonist ax c

non-definitive ax appease okay tyrion su

memento or well zag el libro million del

do Cho bat de hacer simple du Libre

fission para ser today's unit Rita alia

tenemos la oportunidad de vez la

tecnología para solution are los

problemas true tambien para el proton

embrace yadda knows las normas he

co-hosts Ament a neat antenna lacerum en

t'les como para controlar

katie objetivos a strategic okay como

politico's row tambien como comprar met

Eidos una futuro democracia Kadima

profunda participative adonai Mo's

realmente sass enormous contribution

objetivo largo plazo pen definitive a

VAR fe co de todos los habit on Tay da

de smooches

thank you very much

so we'll now move on to our fifth and

final Speaker of the day

mr. chase utley from ITU and yes thank

you very much for all of you keeping so

wonderfully at a time

good afternoon ladies and gentlemen I'm

live from IT oh I'm very happy to being

here with you taking some of our

advantages from our distinguished

colleagues who presented of the

assistant that works specifically from

the international standard

organizational point of view whatever

you have any suggestion or any questions

or are curious please go to our website

there are tons of informations let me

try to show this what is I 2 I 2 is

actually one of the UN specialized data

agency as a responsible for the ICT

developments so the government is our

major memberships 193 membership same a

same way the UN and also we have a

multi-stakeholder models so more than

700 industries they are members mostly

operators ICT industries they are our

members as well also we have academia

members 150 academia members they are

doing of this our platforms to develop

our standard I want to easy wait to find

out what standard we are you use as

basically all your smartphone's

use of our standard wherever whether

this is series or 4G you've been coming

5g they have to use of our standard or

your video video codecs video streams

also use of our standard as well and how

so I have the disposable product ICT

developments our broadband connectivity

is also a responsibility area

I to engage of this I attend a smarter

City space since year 2008 we have a cut

along history of these studies and that

we conclude our members conclude at year

2015 we can merge together of these IOT

and the smarter City so we make a one

expert a group called Iook at the

smaller cities we did that experience

let me challenge you when you think of

this as smart cities what kind of image

do you have maybe a boss up for

different photos many of case you may

think about Appa pot could be nice

enough to say that so smart cities but

below part why not smart cities because

smart cities doesn't mean of this

modernized smarter City is a reflect of

our cities being smart in general city

has been built and continuously changed

based on the physical locations having

of this environmental impact they are

heavily dependence of this local history

and their culture and the citizens

behavior always changed this is a very

very important elements for designing of

our cities except of death the tangible

reasons why I have to City continuously

changed it means none of the cities are

the same there might be big challenges

object how why we have to utilize

standard for cities specifically

international standard organizations has

a big challenges we are literally

wondering about applying of this

international standard make all cities

looked like the same

can you imagine after the smartest

all cities have a same nature of these

franchise restaurants coffee shops all

these they should be disaster I don't

believe this is a one or pitch of the

smart cities while we are applying about

technologies most important part is we

have to keep their own City own history

their culture their own specific things

how we can have that it is important to

subject while we bring over our standard

to the communities to the cities to the

markets there are many other things but

as a quickly look at smart cities would

be consistent

devices systems and they drive those

data's and the platforms service and

application operations there are many

other standard organizations already

engaged so could be as our colleague

said collaboration is most important

part but we also encourage competition

as well because this each seat has a

different natures but most one of the

important part is whether we have a

competing standard or not harmonization

is important because this is what need

of the city of covenants in this sense

I'm also happy to be organized together

of this ayesha a so I do what the

smartest City forums which will start

tomorrow

one more information promised is I - we

have organized the so-called United for

smarter sustainable cities this is new

union initiatives collaborating with the

16 UN organizations we developed a smart

city KPIs those KPIs applies to reduce

EU faces see this is open space so

anyone have been interesting on this

journey of these initiatives and welcome

new so can you find of this summer

contacting point so those groups have

also City working groups forming up to

address how

can deliver this more resilient and the

sustainable smart cities to the world so

this is a collaboration activities a

univita reservoir so we try to collect

all inputs and all collected or opinions

and bring to the UN a UN agendas I think

that'll be the my major presentations

thank you very much okay thank you very

much so I think we'll now move on to the

question-and-answer session so thank you

very much for sticking to time and even

saving us time this is much appreciated

I hope you've all been submitting

questions in the app I think I have a

huh so I have some questions here so we

have a top question which I think will

be directed to you as some of our

standards organizations and particularly

I see when it is affirmed that no

electricity no smart cities does this

mean that smart City just relates to

technology so I would like to direct

that to anyone on the panel he's

interested in responding at friends

perhaps you'd like to start off and then

maybe we can hear from essentially you

and chase them and anyone else who'd

like to add yes thank you so yes of

course as I said it is a condition to

have electricity and it is a condition

to have connectivity to make things

smart it also means that of course

without electricity it simply cannot be

done on the other hand electricity is

not all of a smart city then that's why

we are sitting here also together and

giving the same message to everyone that

we need to collaborate because there are

a lot of standards in the infrastructure

that may be electrical which are same or

on our part of the spectrum

but I equally there is the connectivity

part more in the ITU space there is the

mechanical there is the chemical part

more in the eyes open space and you name

it we need to with those converging to

to make sure that we collaborate and

together solve that complex puzzle of

that very complex system of all those

verticals that you would like to

optimize going forward so being smart

means a lot

electricity is a very important one as I

said the condition silicone on without

it it doesn't work but we have to do

this holistically and we have to design

it from the requirements that the city

managers need to put on the table so

that we can definitely create the

standards and ensure that the standards

work together in the various verticals

that need to communicate and

specifically also the whole data

structure and the control structure is

very essential there over there anybody

else want let me let me do that

talking about these Smarter Cities is a

competitive normal City why we call of

this smarter city smart needs something

data from unknown areas we have to

understand the situation of this

someplace is happening the city but

communities but this data coming from

our devices our systems to produce all

this data definitely we need the

electricity so electricity what I wanna

say this is the infrastructure of

infrastructure because conductivity is

the clue to get of this smart being

smart of this operation of the cities

and communities as a Francis said input

of the party is that city smart cities

more than technologies but until

collecting of this data

everything is looks like a technology

oriented but after collecting your data

how to process how to understand all

this data how to react this corrected

data there's a human beings

responsibility how this is a city

governor's the Bayeux policies their

regulations facilitate of these those

application of

such data so smart cities modern

technology definitely and I think I

mentioned at the opening of my

presentation that the concept smart city

does not belong to highly developed

countries or highly developed and cities

and I celebrated the smart cities day

together with the Herrera city in

Zimbabwe and they are very enthusiastic

and committed about smart cities so

technology can help certainly but it's

way much bigger and broader that

technology for example management good

management is indispensable or energy

road safety responsible water

consumption so those are some of the key

concept that we need to embrace in order

to have a smart serum ok thank you very

much another question that's been asked

a slightly more practical level how

actually are the organizations

collaborating so how our why you see an

itu-t collaborating so and would anyone

like to take that when we have a great

example of that in fact tomorrow but I

shall they want I think he meant to

presentation let me opened I think it's

our colleagues will follow the standard

is the language step the result of this

standard is a written text there should

be enough to implementable so

collaboration among the standard

organization as you to identify our

language get together so this is

understanding is very important but when

you call those smarter city or smart

your same sense or do how much different

to knowing of this understanding of this

language is very important so this award

a smart city forum we have a first

announcement of this co-locate

collaborated collected terms of

reference of these terminologies on

smart cities that is a one of

collaboration result even definitely as

a Francis said

be sure of this our standards how the

other standards is working together

many of these infrastructure elements we

need a club we need some collected

collected of standards is really helpful

for building with assistant as Motor

City's okay thank you very much and

another perhaps more practical question

as well we did a little poll earlier at

the beginning of this session of how

many of you actually were aware of the

three standards organizations that are

here on the stage today iso/iec 90 you

it might be interesting as well just to

explain a little bit more detail for

people if anyone in the audience was

perhaps interested to be involved in the

development of a standard now is that

possible and how would it work

perhaps Stephanie oh and France or one

of you could perhaps to explain a little

bit more detail how it is in fact you

mentioned both briefly getting different

stakeholders involved in the

conversation bringing people around the

table perhaps you could expand a little

bit on that yes I can and I think for

ISO and IEC who have what we call joint

directives that means that our processes

are very much alike we work very much in

the same way we asked in F from every

country one organization is the national

standards body in ISO or the

coordination of committee in IEC

together around their tables all the

stakeholders involved in the process all

the stakeholders that can contribute

that is of course the government in many

ways that is of course academia it's of

course the private sector but also the

public sector in various shapes and

forms and we need them around the table

because as mentioned by session by me we

are creating in our organizations

consensus based standards standards that

either say the consensus of the best

practices codified knowledge and every

one of you if you want to contribute to

that there is an organization in your

country with where that you can contact

and that is our member in for our two

organizations in your country and that

member can

lead you so that you can become active

in a Technical Committee where the

problem that you are worried about is

being discussed and you can help to

bring your solutions to the

international arena where it can be

discussed with all the countries so that

we get the best out of all the

experiences and all the say best

practices that are being done by all of

these countries here and that you can

see here at the expo and I think that is

the great benefit of international

standards that you can bring that to the

table with everyone and it can be

discussed and decided upon and can be

put into a standard so everyone can

benefit from it okay thank you very much

and I think we have time for perhaps one

more question one minute left

I'm super happy a question was a

question of course quiero es la una

pregunta alcalde porque de ser Alaric

Honduras implement our standards on

proceso de la dia mental Argos ek muchas

veces no coincidental or tiempo cyclic

urgency --is políticas de cargo case on

Electro's cumulative era compile

compatibilizer amber concepts

puno preguntamos no implicit anar una

mentally on concepto co2 cumin seed okay

cuando los tan política no de estar m

fe co Prosecco personal C no tiene loan

or decir Alecto palácio da no para

cumplir una meta por lo tanto lo que

hacer es esta blazer make animos que lo

jenner are políticas largo plazo que lo

que en definitive arbiter cambios no

existen element acción de sistema de

codification del conocimiento como dijo

move en el amigo que se definitive okay

un enorme code offical conocimiento y la

mejor s practica pala solutio dela

problemas no es imposible implement

Arlo's yo no se tuna uno plan efika como

para que jenner are una cultura en toll

on ization kate recientemente perioded

ratio y cambia todo lo que se estaba an

induced Oh puppy tambien Rico's camos

que cuando uno messiest and re si cuando

uno tren de mess sistema de control de

comparison benchmark en lo que SIA messy

evaluate AMA contrast rod puede ver lo

que quiero que me controlling me parece

democrático un sistema en el cual la el

politico's y tienes tiene

responsabilidad

CN CT CT Madiga meant a contra la dope

los llanos por ESO y seat on Texas ten

sia en el hospital a cos intelligent

angel kado hacia la participation el

control ill información de soie da no

quran Tia discúlpame no La Tengo creo

que es un compromiso etic Omar Khadr

Dante thank you thank you very much I'm

afraid we are indeed out of time so

we'll have to conclude and call it a day

there I'd like to thank our panelists

very much again for joining us and for

sharing their insights and experiences

up here and thank you very much for

coming along for listening and and for

taking part and for asking all of those

questions at the end so thank you very

much and enjoy the rest of your day