

Training Session 2018

Railways Maintenance
and Operation on Digital Era

Seoul, Korea
18-22 June 2018



CONTEXT

Objectives

- ▀ Comprehending overview of railway operation and maintenance on Digital era
- ▀ Understanding IT Trend of international railway
- ▀ Sharing the knowledge and best practices of technology application in Railway
- ▀ Finding out the way to strengthen cooperation and understand each other

Targets

Officials or staffs in the railway and transport sectors of UIC Asia-Pacific members

Venue

Seoul and Daejeon, Korea

Language

English

TENTATIVE PROGRAM

Sunday 17 June 2018

Arrival

Monday 18 June 2018

09:30-10:30	Introduction of Training Program
10:30-13:30	Opening Session & Luncheon
13:30-14:30	Introduction of Korean Railways
14:30-15:30	Introduction of UIC
15:30-16:30	Presentations of Participating Member Railways
16:30-17:30	Technical Visit (Seoul Station)

Tuesday 19 June 2018

09:30-10:30	The 4 th Industrial Revolution & Railway Applications (Korea) Asset Management as a modern tool on railways maintenance. Principles, Standards, UIC Guideline on implementation of Asset Management in the Railways (UIC)
10:30-11:45	CADS (Computer Aided Driving System) (KORAIL)
12:00-13:15	Lunch
13:30-14:30	Railway Telecommunication Technologies (Korea)
15:30-17:00	Technical Visit (Rolling Stock Depot)
18:00-20:00	Dinner & Cultural Visit

Wednesday 20 June 2018 *(Interpretation English-Korean for Audience)*

08.30-09.30	Seoul → Daejeon (KORAIL Head Office)
10.00-11.00	Cybersecurity on railways (UIC)
11:00-11:50	Signaling: Satellite based localization (and telecommunication) for tomorrow – SATLOC feedback and lesson learned (UIC)
11:50-13:20	Lunch
13.30-14.40	Presentation of the UIC Digital Platform, its mission and activities. Digital for Rail: opportunities and threats (UIC)
14:50-16:00	Best Practices of IT Application
16:10-17:20	Best Practices of IT Application
17:30-18:30	Daejeon → Seoul

Thursday 21 June 2018

09:15-10:30	Rail View System (KORAIL)
10:30-11:45	Traffic Monitoring & Control System using Big Data Technology (Korea)
12:00-13:30	Lunch
14:30-15:30	Technical Visit (CTC Center)
16:00-18:00	Cultural Visit

Friday 22 June 2018

10:00-11:00	Closing Session
11:30-13:30	Luncheon

MAIN TECHNICAL VISITS

Seoul Station



Seoul Station is the most important station of Korea. The station is served by the Gyeongbu Line (from Seoul to Busan), its high-speed counterpart and the Gyeongui Line (from Seoul to Ilsan), with frequent high-speed, express and local service to various points in South Korea.

KARST Line (from Incheon international airport to Seoul station) and AREX Line (from Gimpo airport to Incheon international airport) provide the service since 2010. And Seoul station is linking with Metro Line 1 and Line 4.

Metropolitan Rolling Stock Depot (Goyang KTX Depot)



Metropolitan Rolling Stock Depot was founded to oversee whole maintenance of KTX train including KTX-Sancheon. There are 2 main buildings for the maintenance. One is for a light maintenance shop and the other is a heavy maintenance shop.

In the heavy maintenance shop, all compartments of KTX are reassembled to extend life time use at the Metropolitan Rolling Stock Depot.

Guro CTC center

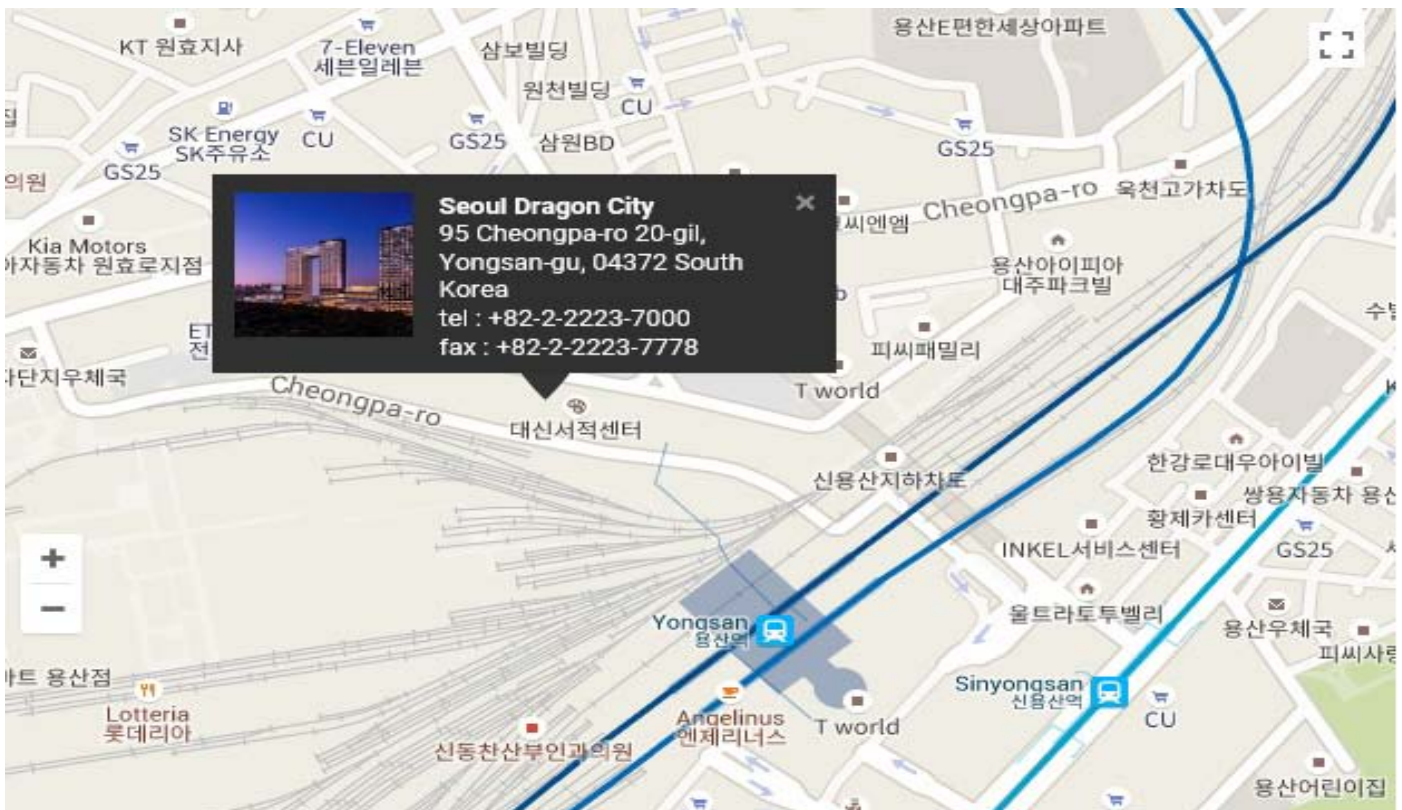


CTC is an abbreviation of Centralized train Traffic Control system. This system can control the condition of train automatically.

KORAIL controls more than 50% of train traffic by this system. Because this area is the Government's strictly confidential facility, taking photos is prohibited.

ACCOMMODATION

- Hotel: Seoul Dragon City
- Homepage: www.seouldragoncity.com
- Location: 95 Cheongpa-ro 20-gil, Yongsan-gu South Korea



How to get to the Hotel

By Subway	<ul style="list-style-type: none"> 75 minutes / Express Incheon Airport AREX Station → Transfer Seoul Station (Express to Line No.1 → Yongsan Station (Line No.1) Gate 3 → 3 minute walk
By Shuttle	<ul style="list-style-type: none"> No. 6030 / 90 minutes Incheon Airport 1st Floor 6B, 13A → Seoul Dragon City Fare: KRW 15,000
By Taxi	<ul style="list-style-type: none"> 57 km / 55 minutes Fare: KRW 45,000-50,000

VENUE AND FACILITIES



Seoul Station



VIP room in Seoul Station



KTX



Bus



Hotel



Restaurant in Hotel

NOTICE

1. Presentation

Each participant is required to make a presentation about members' railway and specific topics in the program.

2. Recommended Dress Code

Business Casual.

3. Transfer

There will be a bus at the hotel in the morning during training.

4. Weather in Seoul

The weather is getting hot in June in Korea (25°C~35°C).

REGISTRATION

Complimentary Offerings for UIC Asia-Pacific members only

The training session will be free of charge for any representative staff from the UIC member companies in Asia Pacific Region.

Travel expenses, accommodation and meals will be free of charge for ONLY ONE participant by UIC member of the UIC Asia Pacific Region.

Travel expenses, accommodation and meals other than training lunches, for the second and following participants are not included.

Expenses for only one person per Asia-Pacific member will be provided complimentary.

A. The expenses are as follows:

1. Registration fee
2. Economy class airfare (Round trips): a copy of your passport will be required to reserve your airline tickets.
3. Accommodations for 6 nights and 7 days
4. Every breakfast and lunch (Dinner will be served only in an official session)
5. Local transportation within only the official schedule

B. All the other expenses except for “A” are in charge to the participant.

If a member from UIC Asia-Pacific region wants to send more than one participant, UIC-KORAIL will provide the expenses as follows;

- for one person: 1, 2, 3, 4 and 5 of A
- for others: 1, 4 and 5 of A

Registration fee for non UIC Asia-Pacific members: 500 Euros

Conditions for Participation

The Training Session is targeted at persons interested in acquiring a comprehensive overview of the Railways Maintenance and Operation on Digital Era.

Due to these principles, the attendance to ALL the sessions is therefore mandatory.