

unity, solidarity, universality

UIC, the international organisation for worldwide promotion of rail transport

Vincent VU

Director Institutional Relations Coordination Asia-Pacific



UIC – The World Association of Rail Operating Companies

October 1922 Constitutive Assembly of UIC (Paris): UIC Statutes adopted by 51 Railway administrations from 29 countries (Europe, Asia)

2017 200 Member railways, 50 partners, 100 countries

Promotion of Railways as a technical platform with

120 annual events

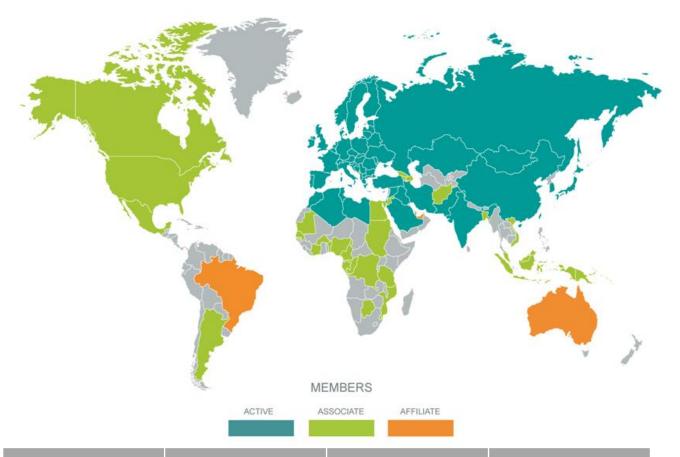
200 Projects since 2008







UIC in 2017



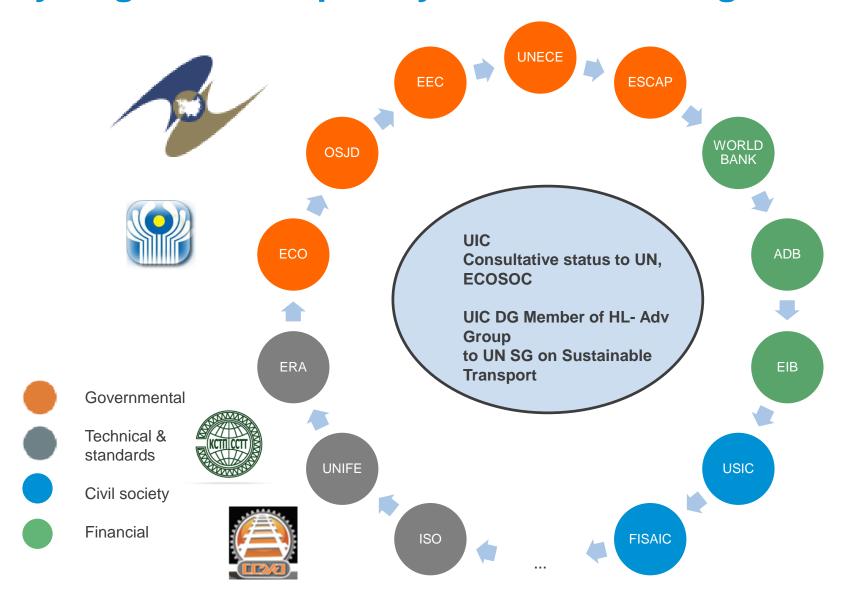


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Active	Associate	Affiliate	TOTAL
11	11	18	40



Synergies developed by UIC with leading institutions





UIC's core mission – Railway Harmonisation





UIC governance



Isa Apaydin, Vice-Chairman

Renato Mazzoncini, Chairman



UIC General Assembly

240 MEMBERS



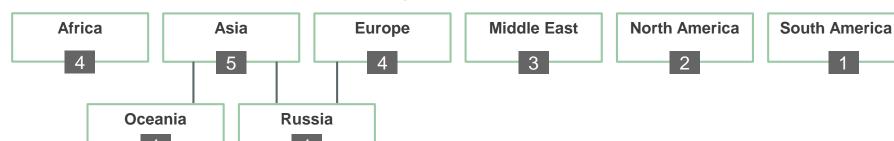
UIC Executive Board

21 MEMBERS

Jean-Pierre Loubinoux, Director General



UIC Regional Assemblies



UIC Headquarters



Overview of UIC Asia-Pacific

Organization

Asia-Pacific Regional Assembly (APRA)

Chairman



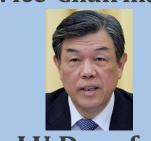
O. Belozerov **Russian Railways**

Vice-Chairman



Kanat ALPYSBAYEV ISC NC Kazakhstan Railways

Vice-Chairman



LU Dongfu China Railway Corp.

Asia-Pacific Management Committee (APMC) Chairman: RZD, Vice-Chairman: CR

Executive Board members: JR East, KTZ, CR, IR, KORAIL, TfNSW-ASA, RZD

UIC HQ

Director General: J.P. LOUBINOUX

Regional Coordinator: V. VU Senior Advisor: B. SEGERAL

(Paris)

UIC ASEAN

Representative: M. PAPAZOFF

(Kuala Lumpur)

UIC CIS

Representative: I. PETRUNINA

(Moscow)

UIC Pacific

Representative: T. SARGANT

(Melbourne)



SHARING EXPERTISE TO FINANCE PROJECTS

TOPICS OF COLLABORATION

ADB

- -> GMS Rail Coordination Office.
- Modernisation and efficient functioning of passenger / freight terminals,
- Multi modal transport hubs,
- -> High Speed Rail Projects,
- -> Sustainable rail transport projects including projects on energy efficiency aiming to reduce carbon emissions,
- -> Training
- -> Public Private Partnerships in Rail Sector
- -> Development of International Rail Corridors

...and many others





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Issues and Practices for Institutional development



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Domain of activities

☐Strengthening the links in APRA region ——

□ Projects implementation and development



APRA in actions 2017 Strengthening the links in APRA region



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"UIC day initiative " Eurasian Integration via Research and Standardisation

30.01.2017 Kazakhstan

01.02.2017 Russia

24.04.17 Korea

Planned:

August 2017 Mongolia September 2017 China





APRA in actions 2016 -2017. Strengthening the links in APRA region



MOU signed with:

Eurasian Economical Union



Main areas of cooperation:

- -Development and improvement of international rail transportation, especially in the Eurasian region; standartisation
- -Creation of conditions for the harmonization of approaches for e
 stablishing digital platforms, including the use of e-documents and info
 applied within arrangement of rail transportation and for customs operations
- -Creation and development of railway Eurasian transport corridors;
- -Cooperation in solving economic, informational, scientific, technical and environmental problems in the area of rail transport;
- -- Development of proposals for measures aimed at improving the competitiveness of rail transport services compared to the services of other modes of transportation.





APRA in actions 2016 -2017. Strengthening the links in APRA region



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MOU signed with:

Union of Railways Constructors (SSZD, Russia)



Main objective is to joint UIC – SSZD standardisation and certification activities and cooperation to combine the common and specific regulatory or voluntary certification elements despite differences of railway systems Eurasian region

Under implementation with:





□ CRT







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APRA Vision 2050 implementation via projects





UIC ASIA-PACIFIC VISION 2050

Project proposals should fit in one action area!

Project proposals should relate to at least one box!

Strategic Action Area for UIC Asia-Pacific

UIC ASIA-PACIFIC VISION

"To be a common voice on strategic issues for the transport sector and influence railway growth in the Asia-Pacific Region for the next decades"



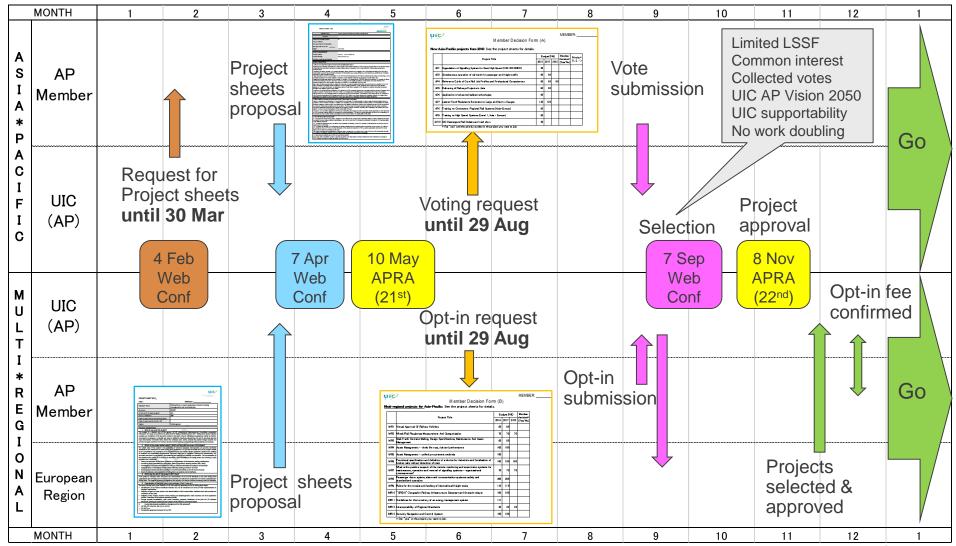
Framework Matrix for UIC Asia-Pacific

C&P DN	CR/EI C
COOPERATION	MANAGEMENT
PARTNERSHIPS	II RI R
SI	INVESTMENTS R&I
SKILLS IMPROVEMENT	Q&C
4	BEST-PRACTICE ES
TECHNICAL	SHARING
ADVICE	Sa
TA	BPS Se
UIC ASIA	-PACIFIC EDT
NEUTRALITY	TECHNICAL COMPETENCE
REPRESEN	ITATIVENESS

	Passenger	Freight	Rail System
Cost reduction / Efficiency Improvement		Heavy Haul (Core Focus)	
Harmonisation / Standardisation			Heavy Haul
Regional Integration			
Research and Innvovation		Heavy Haul	
Quality and Customers			
Environmental Sustainability		Heavy Haul	
Urban Development			
Safety			
Security			
Expertise development and training			

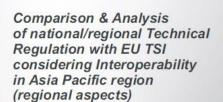
An acronym was given for each strategic action area and each item of the Framework Matrix. Then each proposed project was examined by choosing appropriate acronyms and putting these acronyms in the table of the next three slides.

Workflow for Projects 2017





Ongoing & completed in 2017



Preliminary Report



Reference guide of core rail job profiles and professional competences (interim report 2016–2017)



Resource use benchmarking and performance enhancement in selected Asian Railway Station with comparative analysis of resource use (phase 2)



Application of Advanced Railway Ballast Technologies









Final report 2016-2017

Regional Budget & Projects

Technology of freight traffic organizatio

n according to the energy-optimized sc

Cost Evaluation of Railways Projects in

Reference Guide of core job rail profiles

Welding in extreme conditions

4 AP721

3AP719

AP706-1

AP706-2

3 CERPA

3 WIEC

Total

hedule

Asia

Safety Workshop

3 RAILPROF and professional competences

Next steps for 2017

Prior ity		No / Acro nym	Project title	Regio n	Opt-in	UIC s uppo rt	2017 _€	2018 _€	2019 _€		Note / Comment	Action Areas1		Action	work Matrix	work Matrix 2	work
1	5	AP718	APRA training sessions 2017		CARS13, KORAIL, KRNA2, KTZ, MII T1	F-VAL	. 80	80	80	240		SI;	TA;		EDT;		
2	5	AP704	Carbon Footprint Guideline of Railway I nfrastructure		CARS9, E TRI3, KR NA3, KR RI3, MIIT 2	F-VAL	. 30	40	40	110		SI;			ES;		
			C		CARCA E												

2	5	5AP704	Carbon Footprint Guideline of Railway I nfrastructure	RI3, MIIT 2	KRRI	F-VAL	30	40	40	110	SI;		I	ES;		
3		AP702	Comparison and analysis of national tec hnical regulation with TSI considering In teroperability in Asia Pacific region (nati onal & regional aspects)	CARS1, E TRI2, KR RI2, MIIT 3		RSD	60	70	70	200	TA;	BPS;		H/S;	RI;	
			UIC APRA Web-platform for Developme nt of Rail Projects and Professional Com	CARS14, ETRI4, K TZ. MIIT		R-INT										

2	5	AP/04	ntrastructure	APKA	2	KKKI	F-VAL	30	40	40	110	SI;		ES;		
3		AP702	Comparison and analysis of national tec hnical regulation with TSI considering In teroperability in Asia Pacific region (nati onal & regional aspects)		CARS1, E TRI2, KR RI2, MIIT 3		RSD	60	70	70	200	TA;	BPS;	H/S;	RI;	
4		WEBRAILN	UIC APRA Web-platform for Developme nt of Rail Projects and Professional Com munications		CARS14, ETRI4, K TZ, MIIT 1	MIIT	R-INT ER	35	45	50	130	SI;		EDT;		

50

20

50

30

60

60

415 295 240 950

50

20

50

30

120

FREIG

F-VAL

RSD

RSD

F-VAL

ΗТ

CARS8, K

TZ, MIIT

CARS12,

CARS10,

KTZ, MII

MIIT,

APRA VNIIZHT MIIT

CARS2,

MIIT1

APRA TfNSW2 MIIT

KTZ, MII UIC (Safe

ty)

UIC

APRA 2, RZD RZD

APRA T3

APRA T1

ity	s	nym	Project title	n	Opt-in	Leader	rt	_€	_€	_€	_€	Note / Comment	Areas1	Areas2	Areas3	1	2	3
1	5	5AP718	APRA training sessions 2017	APRA	CARS13, KORAIL, KRNA2, KTZ, MII T1		F-VAL	80	80	80	240		SI;	TA;		EDT;		
													,	,		/		
					CARS9, E													
					TRI3, KR													
	1				NA3, KR													
			Carbon Footprint Guideline of Railway I		RI3, MIIT													
)	5	AP704	nfrastructure	APRA	2	KRRI	F-VAI	30	40	40	110		SI.			FS٠		

Frame Frame Frame

CR/EI; RI;

H/S;

Sa;

UD;

R&I;

EDT:

Q&C;

SI;

TA;

TA;

TA;

SI;

BPS;

BPS;

BPS;

TA;

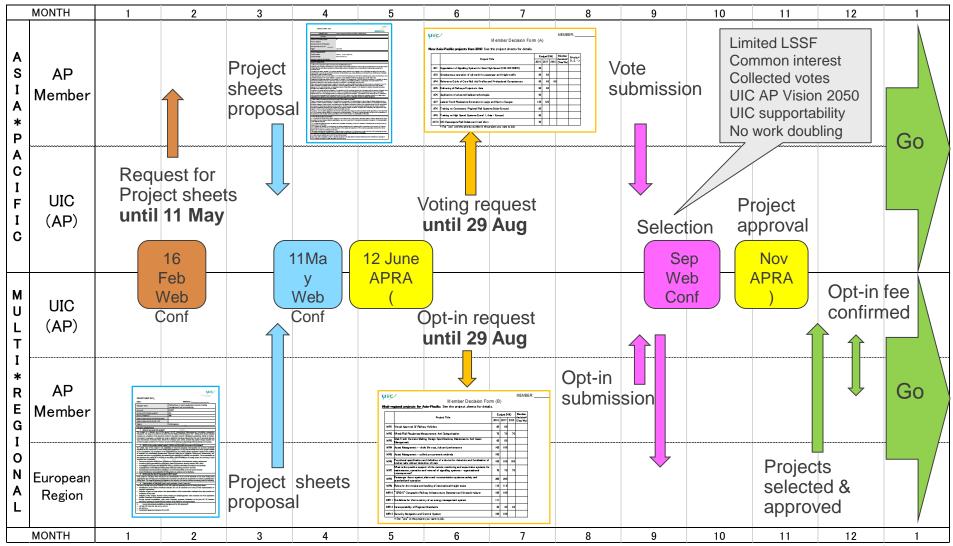
Multi-regional Projects 2017

4 AP members opted in

	Drojo et Titlo	Bu	dget (I	K€)	Member
	Project Title	2016	2017	2018	decision
HVIR /()11	Rolling Stock on board applications (traction-braking management) and commissioning	100	100		CARS
MR703	Exceptional and Over-Loads on Existing Infrastructures	77	77		MIIT
MR704	Harmonised Methodology for Infrastructure Lifetime Assessment	54	54		CARS
MR705	Direct Radio Link for Train Completeness Safety Check	64	32		KRRI
11/11/21/11/61	SATLOC+ (follow up of SATLOC) system safety demonstration on the basis of the formal functional modelling of the system	63	63		
MR707	UIC-IEC Overhead Contact Line life cycle harmonisation	100	100		CARS
MR708	REVERSIBLE SUBSTATIONS	79			
MR709	Direct electropneumatic brake	105	105		CR, CARS
MR710	Security Navigation and Control System	50	50		



Workflow for Projects 2018-2020







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48 project proposals from APRA members and UIC departments for 2018-2019 (see the list attached)

Asia Pacific Regional Assembly
Beijing 21st of June, 2017
CAREC Railway Working Group members
are invited to discuss and choose the topic
for joint development





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THANK YOU FOR YOUR ATTENTION!