



QUALITY SPECIFICATIONS FOR ROADWAY BRIDGES,
STANDARDIZATION AT A EUROPEAN LEVEL

Work Group Meeting OF COST ACTION TU1406

12 May 2017

IFSTTAR, Marne La Vallée, France



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COST TU 1406 Work Group Meeting

COST ACTION TU1406

QUALITY SPECIFICATIONS FOR ROADWAY BRIDGES,
STANDARDIZATION AT A EUROPEAN LEVEL

DATE OF THE MEETING

12th May, 2017

Venue of the meeting

IFSTTAR

14-20 boulevard Newton

77447 CHAMPS SUR MARNE - Marne-la-Vallée Cedex 2

France

ACTION CONTACTS

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1. WORK GROUP MEETING – BRIDGE PERFORMANCE GOALS, QUALITY CONTROL PLANS, IMPLEMENTATION IN A CASE STUDY AND GUIDELINE/RECOMMENDATIONS

1.1. OBJECTIVES

The Work Group Meeting of COST Action TU 1406 “Quality specifications for roadway bridges, standardization at a European level” (www.tu1406.eu), will be held in Marne-la-Vallée, France, at IFSTTAR on 12th of May 2017.

The main objective of **WG 2** is to define a set of goals for performance indicators. These goals vary according to technical, environmental, economic and social factors. One aim of this WG is to provide specific recommendations in order to ensure that the definition of such goals should be the most generalized as possible.

The main objective of **WG 3** is to help bridge owners define a quality control plan for each individual bridge. Prior to the meeting, the task Groups will submit a 10 pages’ report on their work. This report will be review by Prof. Rade Hajdin before the meeting. In the meeting the approaches of all Trask Groups will be discussed and synchronized. The objective of the meeting is to set up a strict Road Map according to which the first draft of the final report will be drafted.

Concerning **WG 4**, a set of roadway bridges, belonging to different COST countries and preferably with identical typologies, will be identified. Then, for those bridges, it will be obtained the performance indicators (identified in WG1). Such values will be then compared with pre-specified goals (identified in WG2) and, finally, a QC plan will be implemented (detailed description at WG3). Different methodologies for obtaining such indicators, as well as different threshold values, will be used as the basis for benchmarking.

The main goal of **WG 5** is the preparation of a document that can be easily adopted by engineers facing the management of new and existing bridges. In this task it will be joined the work developed in other working packages (especially from WG1, WG2 and WG3) with the objective of writing a guideline, and recommendations, for the implementation of a QC plan for roadway bridges that could be adopted by several roadway agencies.

1.2. PROGRAMME

Friday, May 12th, 2017

09:00 – 09:30	Registration
09:30 – 10:00	TU1406 presentation by J. Matos
10:00 – 10:15	Coffee Break

WG2 Parallel Meeting

10:15 – 10:30	Introduction, objectives of the meeting by I. Stipanovic
10:30 – 10:45	Presentation of Chapter 2 and 3 by G. Klanker and I. Stipanovic
10:45 – 11:00	Discussion
11:00 – 11:40	Presentation of Chapter 4 Performance assessment <ul style="list-style-type: none"> • Structural assessment by E. Chatzi, • Seismic assessment by M. Limongelli • Scour vulnerability assessment by K. Gavin • Economic and social aspects assessment by I. Stipanovic
11:40 – 11:50	Coffee Break
11:50 – 12:00	Discussion
12:00 – 12:15	Presentation of Chapter 5 Multi-objective optimization models by Z. Allah Bukhsh
12:15 – 12:30	Discussion
12:30 – 13:00	Identification of open issues, Future steps by I. Stipanovic

WG3 Parallel Meeting

10:15 – 10:30	Introduction and Objectives of the meeting by R. Hajdin
10:30 – 10:45	Results of the TG1 by M. Kušar
10:45 – 10:55	Discussion
10:55 – 11:10	Results of the TG3 by J. Amado
11:10 – 11:20	Discussion
11:20 – 11:35	Results of the TG4 by N. Tanasic
11:35 – 11:45	Discussion
11:45 – 12:00	Results of the TG2 by S. Mašovic
12:00 – 12:10	Discussion
12:10 – 12:20	Conclusions and identification of problems by R. Hajdin
12:20 – 12:50	Resolution of open issues
12:50 – 13:00	Definition of working items and schedule by R. Hajdin

WG4 Parallel Meeting

10:15 – 10:30	Introduction and Objectives of the meeting by A. Kedar
10:30 – 10:45	Sub group A Presentation of the current state of data collection for the national case studies per country and the prioritization for work based on the data available by A. Duke
10:45 – 10:55	Discussion

10:55 – 11:20	Sub group B1 Detailed description of the existing data for 'Strimonas River Bridge', Greece and the suggested PI and KPI to be used and their values by P. Panetsos
11:20 – 11:30	Discussion
11:30 – 11:55	Sub group B2 Detailed description of the existing data for the Arch bridge prototype bridge, and the suggested PI and KPI to be used and their values by N. Ademovic.
11:55 – 12:05	Discussion
12:05 – 12:30	Sub group B3 Detailed description of the existing data for 'Unterführung SBB Bridge, Switzerland' and the suggested PI and KPI to be used and their values
12:30 – 12:40	Discussion
12:40 – 13:00	Conclusions and identification of problems Definition of working items and schedule by A. Kedar

WG5 Parallel Meeting

10:15 – 10:30	Introduction and Objectives of the meeting and introduction of core group by V. Pakrashi
10:30 – 10:45	Update on the Zagreb meeting and current interest in WG5 by V. Pakrashi
10:45 – 11:05	Discussion
11:05 – 11:15	Presentation of responses to date from other WG representatives (Leader/Vice Leader) in relation to expectation from, connection with and possible contribution to WG5 by V. Pakrashi
11:15 – 11:25	Discussion
11:25 – 11:35	Presentation of feedback from individual members of WG5 regarding expectation from WG5 activities and examples of identified members with further follow ups by V. Pakrashi
11:35 – 11:45	Discussion
11:45 – 11:55	Existing interest from other bodies (outside WG5 membership) and dissemination opportunities by V. Pakrashi
11:55 – 12:30	Discussion with core group members regarding evolution and dissemination of WG5
12:30 – 13:00	Conclusions), identification of problems, resolution of open issues and definition of working items and schedule by V. Pakrashi

Joint WG Meeting

13:00 – 14:00	Lunch
14:00 – 15:15	Joint WG meeting <ul style="list-style-type: none"> • Presentation of the WG 2 draft report • Discussion on the WG 3 final report and resolution of open issues
15:15 – 15:30	Coffee Break
15:30 – 16:45	<ul style="list-style-type: none"> • WG 4: Discussion of missing inputs from other WG and resolution of open issues • Involving standardizations issues in future • Prague Training School
16:00 – 17:00	Concluding Remarks and AOB by J. Matos

1.3. LOCATION, DATES AND TRAVELLING

1.3.1. LOCATION AND DATE

The workshop will take place at IFSTTAR - French institute of science and technology for transport, development and networks location 14-20 Boulevard Newton, Cité Descartes, Champs sur Marne in Marne la Vallée, France, on 12th May 2017.

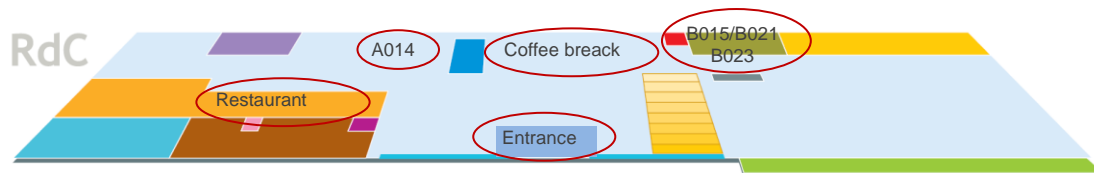
The French Institute of Science and Technology for Transport, Development and Networks (IFSTTAR) is a public institution of a scientific and technical nature, under the joint supervision of the Ministry of Ecology, Sustainable Development and Energy and the Ministry of Higher Education and Research.

Recognized as a new reference organization in the international arena, IFSTTAR conducts applied research and expert appraisals in the fields of transport, infrastructure, natural hazards and urban issues, with the aim of improving the living conditions of France's residents and, more broadly, promoting the sustainable development of our societies. IFSTTAR gathers multidisciplinary teams able to develop a systemic approach to research in order to respond to societal issues from the technical, economical, social, sanitary, energy, environmental and human points of view.

The meeting will take place at IFSTTAR (Marne La Vallée). The address is:

14-20 Boulevard Newton
Cité Descartes, Champs sur Marne
F-77447 Marne la Vallée Cedex 2
France

The exact names of the rooms dedicated for the meeting are room A014, room B015, room B021 and room B023.



1.3.2. HOW TO GET TO MARNE LA VALLÉE

In the heart of the new city of Marne-la-Vallée, on the campus of the Cité Descartes, IFSTTAR is well easily accessible.

IFSTTAR is 30 minutes from the centre of Paris and 20 minutes from Chessy high-speed train station.

The following RATP webtool can be used to calculate the time for any trip using RER and metro:
<http://www.ratp.fr/plan-interactif/carteidf.php?lang=uk>.

Information about schedules and prices from CDG airport are available in:

<https://www.rome2rio.com/s/Paris-CDG-Airport-CDG/14-20-Boulevard-Newton-77420-Champs-sur-Marne-France>

Information about schedules and prices from Orly airport are available in:

<https://www.rome2rio.com/s/Paris-Orly-Airport-ORY/14-20-Boulevard-Newton-77420-Champs-sur-Marne-France>