

TISA Executive Office		EO18003
Limited circulation		2018-05-18
Request for Quotations for an I4AD Transition Manager		

TISA is an industry association with the mission to create specifications for standardisation in the area of traveller and traffic information. As such it is the creator and maintainer of TMC (ISO 17572 series) and TPEG (ISO 18234 and IS21219 series) specifications. Recent work of TISA has been centred around TPEG Generation 2 (TPEG2) traffic information for drivers on roads (cars, trucks, busses, etc.).

The advent of automated driving, vehicles capable of machine learning and self-driving vehicles is about to disrupt the industry for traffic and traveller information. New use cases of traffic information need to be addressed, information tailored for machine-to-machine communication must be encoded and changed priorities of multi-modal travel and traffic management need to be taken into account among other things.

To charter this unknown territory TISA seeks to develop an "Information for Automated Driving (I4AD)" protocol as the major development project over the years to come. For this, new approaches must be found to encode and transmit traffic information targeted at automated and autonomous vehicles.

As of today TISA and its members is firmly rooted in conventional traffic information (i.e. TPEG, TMC), a transition must be projected and undertaken. We understand that a departure from the most fundamental assumptions will be required to identify the requirements of information targeting road transport. As we have already started the early stages, TISA understands a proper transition process is required to outline a yet unknown I4AD technology before a protocol design and development process can be started.

TISA therefore seeks to employ an **I4AD Transition Manager** that will help during a limited transition period to:

- Moderate and run community processes along the transition and work out artefacts.
- Facilitate group work by preparing and moderating a series of workshops, including consolidation and evaluation of the workshop results.
- Participate in defining transition process mile-stones and create work artefacts.
- Report to the TISA Steering Board and align the work with the TISA Committees.
- Support the definition of process and work structures to work out an eventual I4AD technology concept into a full communication protocol suite.

Desired profile of the candidate

- Strong automotive background, AD experience is a merit.
- Experience with communication protocols and service-receiver interoperability.
- Interest and dedication to charter new territory in a multi-dimensional problem field.
- Experience in moderating and managing diverse international/multi-cultural groups of developers.
- Ability to manage a large and diverse work scope as well as structure the outcome to facilitate continuation of work by other groups.

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Invitation to submit proposals

Interested parties are invited to submit a proposal by email to the TISA Executive Office (s.chaufon@tisa.org). The proposal shall include:

- Comprehensive CV, providing detailed information in particular regarding
 - a) past work in automotive sector.
 - b) track record of managing diverse, international teams of developers.
- Quotation for 2 work packages with a fixed price for each
 - i. the initial period of 12 months with a scheduled workload of 450 hours and 5 trips.
 - ii. an optional extension period of 6 months based on the same conditions.
- References and recommendation letters, if available.

The company and the person designated to this position will be required to sign a contract with TISA that covers non-disclosure and IP related terms.

Note that the project is limited in scope, albeit the duration cannot be envisaged at this time. The candidate is asked to indicate availability beyond the quoted work packages. TISA will not re-new/continue the contract beyond the scope defined here.

Proposals will be reviewed and, following an evaluation process by the TISA Steering Board, candidates will be invited to an online interview. After the final decision by the TISA Steering Board, a contract is to be established between TISA and the candidate. The I4AD Transition Manager will be introduced to the TISA membership at the following TISA Committee Meetings.