



**CALIFORNIA**  
**High-Speed Rail Authority**

**Request for Expressions of Interest for  
Tier III Trainsets**

**REOI No.: HSR14-30**

**October 1, 2014**

## 1.0 Introduction and General Information

The California High-Speed Rail Authority (Authority) is responsible for the planning, design, construction and operation of the first high-speed rail system in the nation. The California High-Speed Rail System (System) will connect the mega-regions of the State, contribute to economic development and a cleaner environment, create jobs and preserve agricultural and protected lands. Phase 1 service will connect San Francisco to the Los Angeles basin in less than three hours at speeds of over 200 miles per hour. The System will eventually extend to Sacramento and San Diego, totaling 800 miles with up to 24 stations. In addition, the Authority is working with regional partners to implement a statewide rail modernization plan that will invest billions of dollars in local and regional rail lines to meet the State's 21<sup>st</sup> century transportation needs.

The Authority is issuing this Request for Expressions of Interest (REOI) to request Expressions of Interest (EOI) from qualified firms (potential Proposers) interested in designing, building, and maintaining Tier III Trainsets for use on the System. Issuing this REOI does not commence a procurement process or obligate the Authority to commence a procurement or award a contract. EOIs received from potential Proposers will not be scored, but will be used to identify potential Proposers interested in participating in the Authority's procurement for Tier III Trainsets, and to provide the Authority with feedback regarding a future procurement for Tier III Trainsets. Potential Proposers are not required to respond to this REOI in order to submit Proposals in response to any RFP for Tier III Trainsets, but qualified firms that submit EOIs will receive credentials to submit proposer inquiries during any RFP process and will be invited to participate in one-on-one meetings during any RFP process.

## 2.0 Minimum Project Qualifications

The trainsets are anticipated to meet the following minimum characteristics:

1. Is a single level EMU capable of operating in revenue service at speeds up to 354 km/h (220 mph), and based on a service-proven trainset in use in commercial high speed passenger service at least 300 km/h (186 mph) for a minimum of five years.
2. Is compliant with all applicable U.S. laws, regulations, advisories, and standards, and assuming the application of the draft regulations identified in ETF\_001-03 – Proposed Rule text for NPRM (Notice of Proposed Rule Making).
3. Has a width of 3.2 m (10.5 feet) to 3.4 m (11.17 feet) and a maximum train length of 205 m (672.6 feet).
4. Has static axle loads that do not exceed 17 tonnes as shown in 2008 HS RST TSI.
5. Has a nominal Vehicle floor height above top-of-rail (TOR) of 1295mm (51 inches) under all loading conditions.
6. Has a minimum of 450 passenger seats. First class seating shall be provided with spacing equivalent to 1067 mm (42 inches) of Pitch. Business class seating shall be provided with spacing equivalent to 991 mm (39 inches) of Pitch.



The maintenance services shall include:

1. Long term technical support, provision of spares and maintenance (30 years) for the trainsets.
2. The design, construction, operation and maintenance of a Heavy Maintenance Facility (HMF) for trainsets overhaul (or functional equivalent), and 3 running repair/inspection shop, stabling facilities. The Authority shall make three properties available to the Contractor for the facilities. It is envisioned that the HMF facility will be co-located with one of the stabling facilities.

The contract resulting from this procurement is anticipated to include a base order, plus options for production of up to 95 trainsets. The evaluation of Proposals submitted in response to an RFP for Tier III Trainsets will include best value life-cycle criteria.

### **3.0 EOI Submission and Format Guidelines**

The following summarizes the submission and format guidelines of the EOIs. In addition to the information described below, the Authority may request confirmation or clarification of information furnished by a potential Proposer, request additional information from a potential Proposer concerning its EOI, and/or request additional evidence of qualifications to perform the work described in this REOI.

Responses to this REOI should include, but are not limited to, the following:

- The name of the interested firm, team, or joint venture;
- A statement of how the potential Proposer meets the minimum requirements in Section 2.0, above;
- Examples of service-proven trainsets; and
- Any comments or feedback regarding the minimum qualifications in Section 2.0 or future procurement of Tier III Trainsets.

Please conduct all communications for this REOI through and submit all EOIs to the contact below:

Rebecca Harnagel, P.E.  
**California High-Speed Rail Authority**  
770 L Street, Suite 620 MS 2  
Phone: (916) 324-1541  
Fax: (916) 322-0827  
Email: [Trainsets@hsr.ca.gov](mailto:Trainsets@hsr.ca.gov)

EOIs are requested by **October 22, 2014**, but may still be considered if received after that date.



The following information should be placed on the lower left corner of the submittal shipping packages:

**REOI No.:** \_\_\_\_\_ HSR14-30 \_\_\_\_\_

California High-Speed Rail Authority  
Tier III Trainsets Request for Expressions of Interest

**Firm:** \_\_\_\_\_

### 3.1 Additional Contract Terms

Potential Proposers are advised to review the following Authority policies, as they are likely to be included in any contract resulting from any future procurement issued by the Authority on Tier III Trainsets:

- The Authority's Small and Disadvantaged Enterprise Program ([http://www.hsr.ca.gov/Programs/Small\\_Business/index.html](http://www.hsr.ca.gov/Programs/Small_Business/index.html))
- The Authority's Organizational Conflicts of Interest Policy ([http://www.hsr.ca.gov/docs/about/doing\\_business/Organizational\\_Conflict\\_Interest\\_Policy\\_Final9152011.pdf](http://www.hsr.ca.gov/docs/about/doing_business/Organizational_Conflict_Interest_Policy_Final9152011.pdf))

