

Determination of the safety elements for the application of DIN EN 1993-6: Crane Runways – Creation of a proposal and of a statement for the German National Annex

In the final report of this research project the content and the technical background of the German National Annex of DIN EN 1993-6:2006 created by NABau-mirror committee NA 005-08-01 AA “Crane runways” are described. In addition to the Nationally Determined Parameters there is a couple of non-contradictory complementary information that are supposed to simplify the future design practice and to ensure today’s safety level in future. In general, the complementary information represents proven design practice. In detail, for instance, the following items are covered:

- Groups of loads – supplement for the serviceability limit state
- Loads for the design situation Earthquake
- Flange-to-web junction with fillet welds
- Crane classes for rigid crane rail fastenings
- Multiple crane action
- reduced values of dynamic factors