

Circular No. 113

**Criteria of renewals of elastic fastenings of track**

In NWR, TFR for approx 650 km has been sanctioned. Divisions are asking P-way materials for 100% replacement even though all the ERCs and liners do not require replacement. Materials should be demanded only as per need.

As per IRPWM Para 1411, criteria for Through Fittings Renewals is based on the reduction in toe load of ERC. It also states that Railways on the basis of the overall condition of track, pattern of traffic and required level of maintenance should undertake the large scale replacement of the fastenings. As per Finance Code, the codal life of track fittings in years is as under:

Route	A&B	C	D	E
Elastic rail clips	5-8	5-8	8-10	8-10
Rubber pad / Liners	2-4	2-4	4	4-6

GRSP need to be replaced at frequent intervals, while all the ERCs and liners may not be actually due for replacement. Following guidelines should be followed for replacement of elastic fastenings.

- i. Wherever TFR is sanctioned, 100% GRSP should be renewed. Renewal of ERCs and liners to be on condition basis.
- ii. On Points and Crossings, SEJ, Glued Joints and Sleepers on either side or welds, rubber pads get crushed much earlier. Hence GRSPs at such locations should be replaced once in every 2 ½ years.
- iii. Broken GFN liners or metal liners which have reduced thickness due to corrosion should be replaced based on condition only.

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