



FRA Part 242 Conductor Assistant Flow Chart 242.301  
(Territorial Qualification and Joint Operations)

**Territory Other Than Main Track 242.301 (d)**

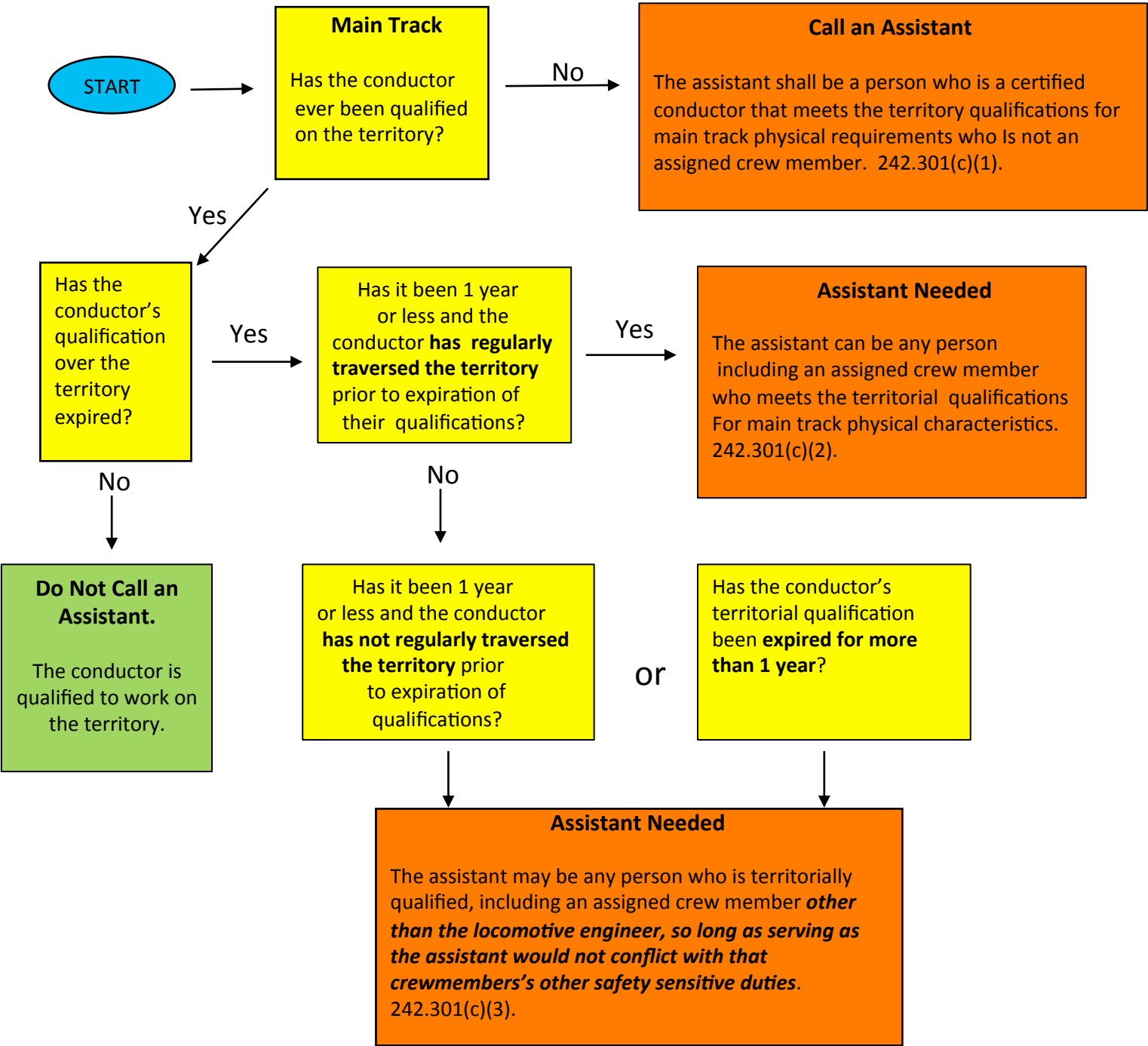
If the conductor lacks territorial qualification on other than main track:

- If **practicable**, the conductor shall be assisted by a certified conductor who is territorially qualified, **or**
- If **not practicable**, it is acceptable if the conductor is provided an appropriate up-to-date job aid.

**No Assistant Required 242.301(e)**

If the movement will occur on a section of main track where an average grade is less than 1% over 3 continuous miles, **AND**

1. The maximum distance does not exceed 1 mile, **or**
2. The maximum authorized speed for any operation on the track does not exceed 20 mph, **or**
3. Operations are conducted under operating rules that require every locomotive and train to proceed at a speed that permits stopping within half the range of vision of the engineer.





FRA Part 240 Locomotive Engineer  
Pilot Flow Chart 240.231 (Engineer's  
unfamiliar with Physical  
Characteristics in other than joint  
territory)

**NO PILOT REQUIRED 240.231(c)**

If the movement will occur on a section of track with an average grade of less than 1% over 3 continuous miles, **AND**

- 1. The track is other than main track, **or**
- 2. The maximum distance will not exceed 1 mile , **or**
- 3. The maximum authorized speed for any operation on the track does not exceed 20 mph, **or**
- 4. Operations are conducted under operating rules that require every locomotive and train to proceed at a speed that permits stopping in half the range of vision of the engineer.

