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(59th GRRF, 30 January - 3 February 2006,

agenda item 5.5.)



# New Categories of Agricultural Tyres

‘IF’ : Improved Flexion Tyre

‘VF’ : Very High Flexion Tyre

**and UN/ECE Regulation No.106**

## Welcome

'IF' : Improved Flexion Tyre  
'VF' : Very High Flexion Tyre

## **Objectives of these concepts**



## **Cover the user's needs**

- **Work at low pressure in the fields to reduce the soil compaction**
- **Run on the road without adjusting the inflation pressure depending on the speed**



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## **Main features**

**More resistant carcasses than corresponding standard tyres**

- operate at higher deflections
- run without any adjustment of the inflation pressure in the field and on the road



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**Technical Challenges**

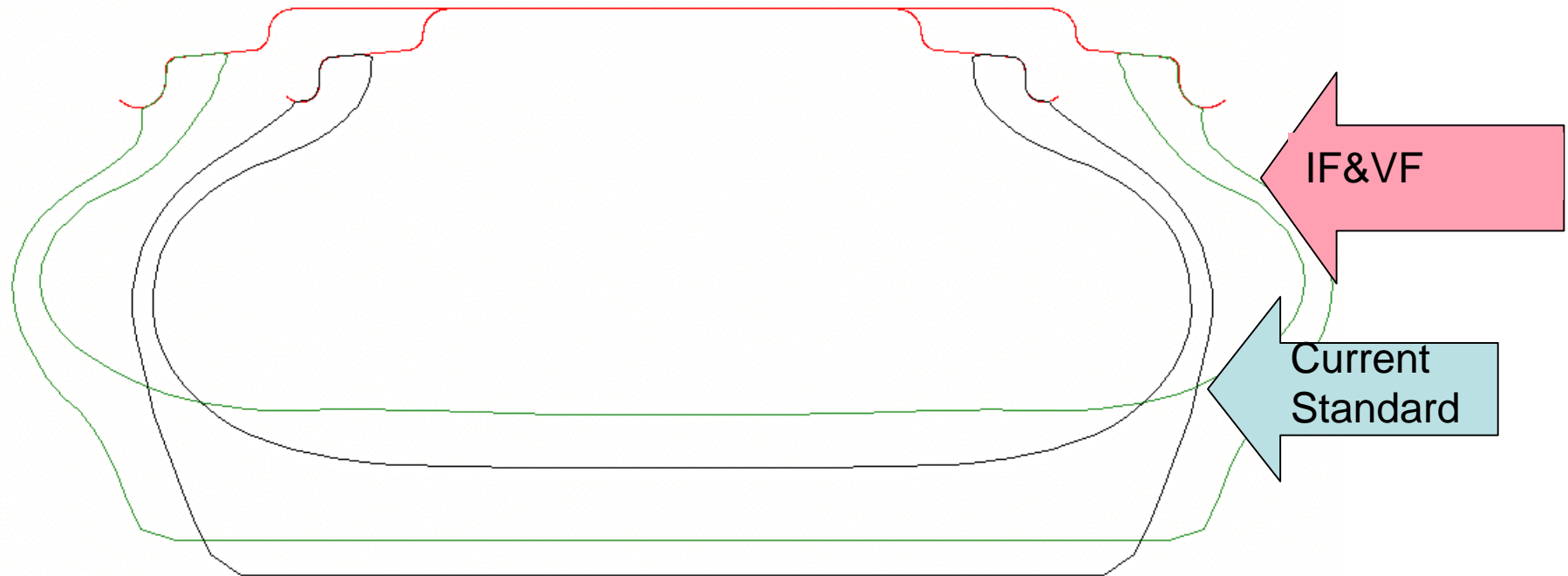
- **Endurance**
- **Wear Service Life**
- **Operating Temperature**
- **Road Handling**



'IF' : Improved Flexion Tyre

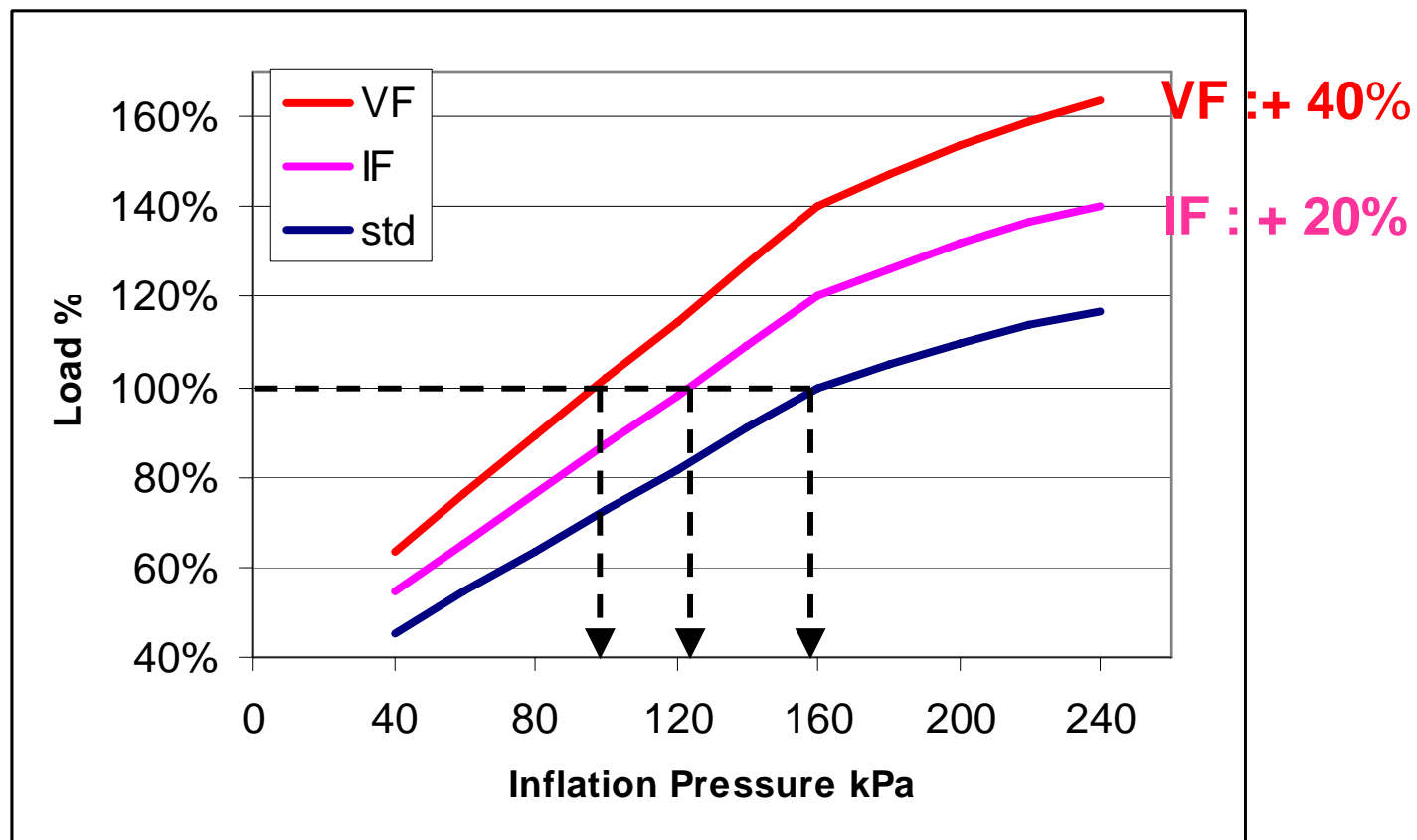
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## How does it work?





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**Load/pressure relationship**





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## **Benefits**

- **Low soil compaction**
- **Improved crop yield productivity**
- **Improved wet and dry traction**
- **Time and fuel saving**
- **Improved ride comfort**
- **Safety through road handling**



## 'IF' and 'VF' Tyres

### Proposed amendment of UN/ECE Regulation 106

(Document Trans/WP29/GRRF/2005/15/Rev1)

- **Definitions 'IF' and 'VF' tyres**
- **Marking:**
  - 'IF' or 'VF' before the nominal section width
  - for example : **IF 710/70 R 42** or **VF 710/70 R 42**
- **No variation of load depending on the speed**  
**=> Table in annex 7 is not applicable**





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**and UN/ECE Regulation 106**

**Thank for your attention!**

**Do you have any questions?**