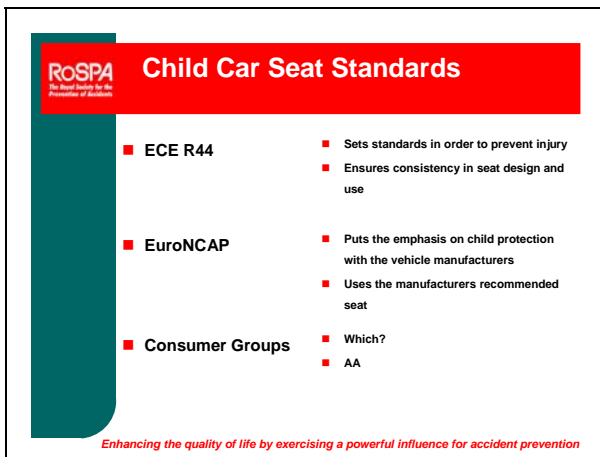
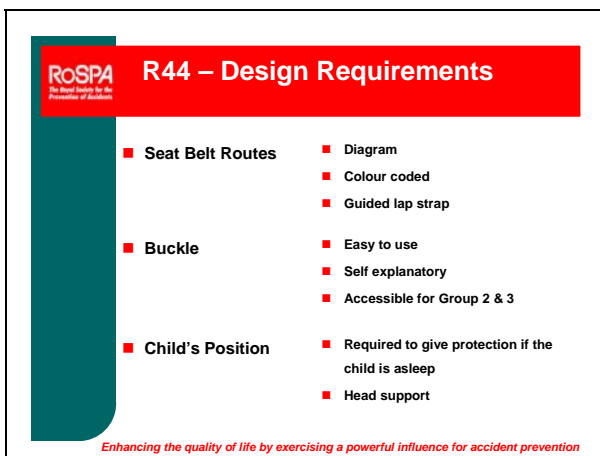


MODERN SAFETY STANDARDS

Duncan Vernon
Road Safety Project Officer
RoSPA







R44 – Testing Requirements

- **Frontal Impact**
 - Mounted onto a test trolley
 - 50km/hr test speed
 - Dummies
- **Rear Impact**
 - Ensures the child is not thrown out
 - Checks the integrity of the restraint belts
- **Overturning**
 - Child seat is rotated
 - Helps prevent child ejection in rollover

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ISOFix

- **Mandatory**
 - Mandatory in all new vehicles from 26th Feb 06
 - Must have two fixing points
- **Rigid Link**
 - Improves interaction between vehicle and child seat
- **Easier to Fit**
 - Independent of the adult seat belt
 - Reduces the chance of misuse

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Misuse and Effectiveness

- **Factors Causing Misuse**
 - Parents don't use restraints themselves
 - Poor sales advice
 - Restraint not checked by an expert
 - Restraint removed frequently
- **Effectiveness**
 - Reduces effectiveness of the restraint in a crash
 - Puts the child at greater risk of death or serious injury

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Inappropriate use and Effectiveness

- **Factors Causing Inappropriate Use**
 - Belief that the law represents what is safe
 - Too quick to graduate between seats
- **Effectiveness**
 - Restraint not designed for the child using it
 - Increases injury risk

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Thank you

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