

All Terrain Vehicles, Balers & Wrappers, Broadcasters & Spreaders
Chainsaws, Chippers & Shredders, Cultivation, Driers, Drills & Planters,
Engines, Fencing, Forestry, Fork Lifts, Garden Equipment, Golf Courses & Parks,
Hedge Maintenance, Horticulture, Irrigation, Lawn & Garden, Livestock, Mowers
Ploughs, Pumps, Root Crops, Silage, Slurry, Sprayers, Stone Separators
Storage, Sugar Beet, Sweepers, Tractors, Trailers, Trimmers
Turf Maintenance, Vacuums, Vegetables, Washers, Waste Water



Eur Ing **Keith J Hawken**
Technical and Standards Director
ISO/TC 23/SC 7 Chairman



Serving the amenity, environmental and agricultural industries

AEA (Agricultural Engineers Association) (Established 1875)

- Trade Association (member companies)
- Economic, Export, Legal, Services & Technical intelligence
- Events e.g. Tillage-live, Scotgrass
- National Sprayer Test Scheme
- Power generation & milking equipment support
- European Trade Association representation for members (CEMA, EGMF, ATVEA)
- Training and Education
- BSI/CEN secretariat for Agriculture and Garden Equipment committees (National Standard Bodies voting rights)
- ISO/IEC chair/convenor
- Machinery directive /WGAT stakeholder
- Advice on new policy, regulation & best practice

AEA TECHNICAL ACTIVITIES

- Tractors
- Implements/trailed
- Sprayers
- ATV's
- Material Handlers
- Outdoor Power Equipment
- Events
- Design & research with member input

Tillage-Live

TILLAGE-LIVE



INSIDE Site Map * Exhibitor A-Z * New Equipment Guide
* Lower-cost Tine Drill Buyers' Guide * **New Action Areas**

SCOTGRASS



TECHNICAL DEPARTMENT

- Development of Standards
- Legislation Interface
- Design & Research
- Member Liaison

- 1800 Standards in AEA library
- £125,000 Value (£250,000 to replace)
- 160 Standards per year
- 120 Legislative documents per year
- 2,450 Technical documents per year
- 13,500 Technical emails to action per year

- Split of document responsibilities
- Agricultural Technical = 69%
- Outdoor Power Technical = 16%
- Other Associated Committees = 15%
- Funding allocated by BIS/BSI (Travel)
- 50 Man days to produce a Standard

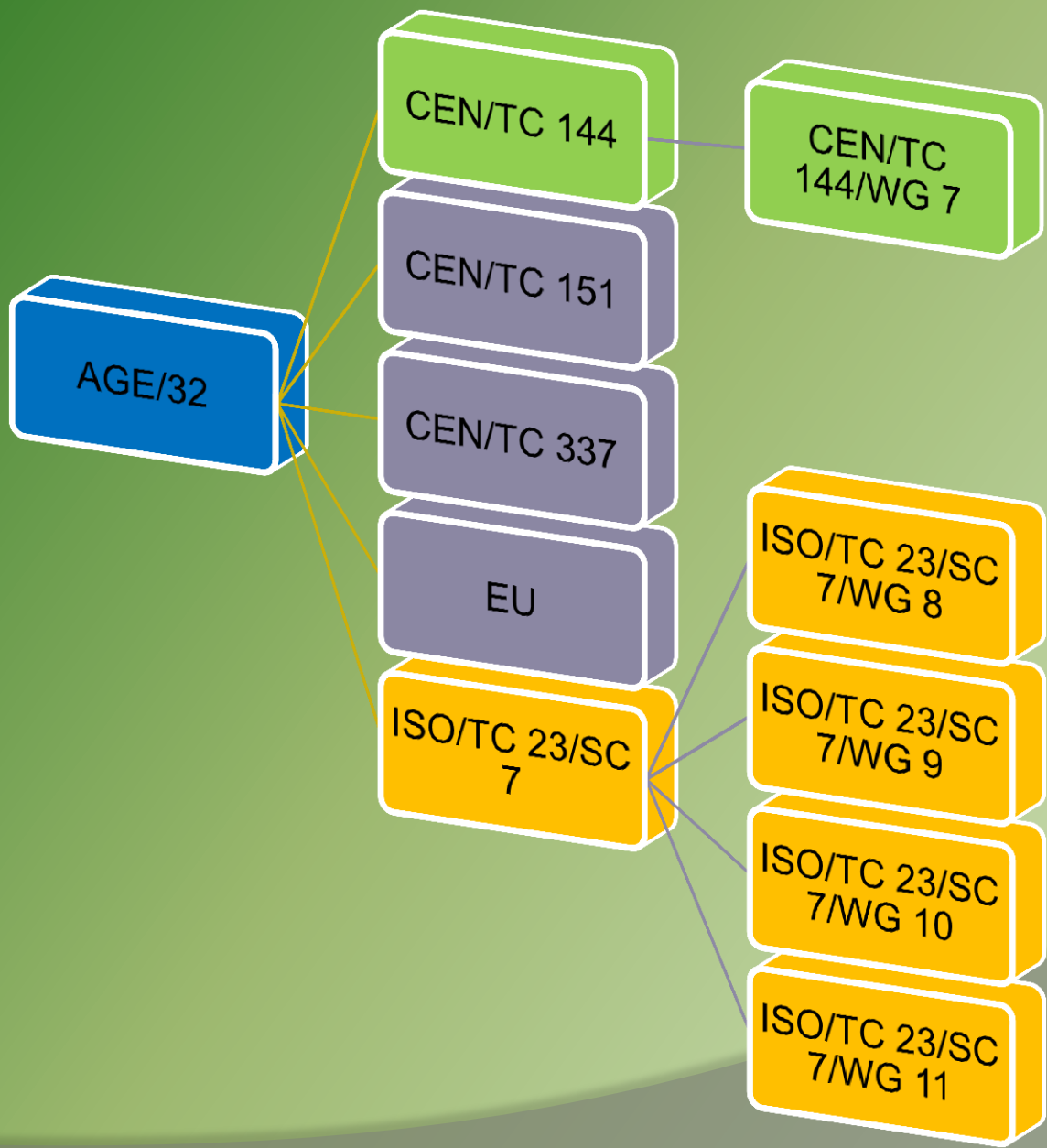
➤ AGE/06

➤ AGE/15

➤ AGE/20

➤ AGE/29

➤ AGE/32



AGE/32

CEN/TC 144

CEN/TC 151

CEN/TC 337

EU

ISO/TC 23/SC
7

CEN/TC
144/WG 7

ISO/TC 23/SC
7/WG 8

ISO/TC 23/SC
7/WG 9

ISO/TC 23/SC
7/WG 10

ISO/TC 23/SC
7/WG 11

AGE/32

BSI UK COMMITTEE

Equipment for Harvesting and Conservation
Agricultural Implements and Trailers

AGE/32

SUBJECT MATTER

- Rotary & flail mowers (EN 745 *)
- Rotary & flail mowers (EN ISO 4254-12)
- Large mowers
- Balers & Bale Wrappers
- Tedders & Rakes
- Seed drills
- Fertiliser spreaders
- Combine harvesters
- Power harrows

* *Superseded at the end of 2012*



SCHULTE
Introducing
the FX-742 - World's
Largest Rotary Cutter

New Product





AGE/32

CEN/TC
144

CEN/TC 144

Main Committee + 8 Working Groups

Tractors & Machinery for Agriculture & Forestry

➤ Working Group 1

➤ Hot parts & PTO Shafts

➤ Working Group 2

➤ CAB Filtration & Seats

➤ Working Group 3

➤ Mowers

➤ Tedders

➤ Seed Drills

➤ Fertiliser Spreaders

➤ Environment

➤ Balers & Wrappers

➤ Manure Spreaders

➤ Sprayers

CEN/TC 144

- Chairman
 - Secretary
 - Members
 - Authorities
- Various
 - AFNOR (France) National Standards Body
 - 30 Eu countries + Switzerland/Norway/Iceland
 - French Ministry of Agriculture
 - German health & Safety Bureaus
 - HSE UK
 - Italian Safety Ministry
 - Spanish Health & Safety Ministry
 - Various Eu Safety Institutes Inc ANEC

CEN/TC 144

- Other Members
 - Manufacturers via National Trade Associations
 - Trade Association Secretariats
 - Test House & Institutes
 - Universities
- CEN Consultants
 - Machinery Directive
 - Noise Directive
 - EMC Directive
 - Vibration
- Links
 - AGE/06, AGE/15, AGE/20, AGE/29, AGE/32

CEN/TC 144

➤ EU Commission

➤ Various

➤ Active Experts

➤ 70

➤ Standards

➤ 125 + 30? in progress

AGE/32

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CEN/TC
144

CEN/TC
337

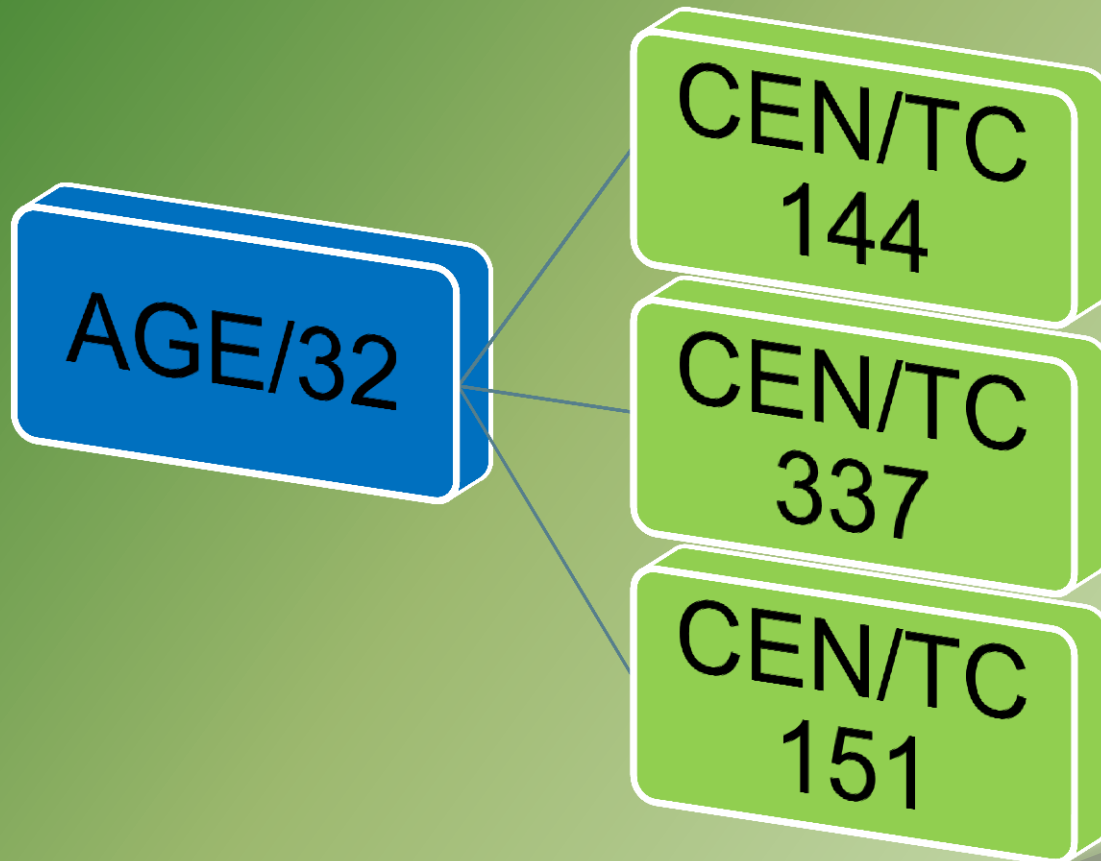
CEN/TC 337

Main Committee + 4 Working Groups

Winter Maintenance and Road Service Area

Maintenance Equipment

- Working Group 2
 - Road service area maintenance equipment
 - Grass cutting
 - Brush cutting
 - Verge cutting
 - Shredding plants
 - Performance of equipment



CEN/TC 151/WG 16 (TC 151 Main Committee) Construction Equipment and Building Material Machines - Safety

➤ Links

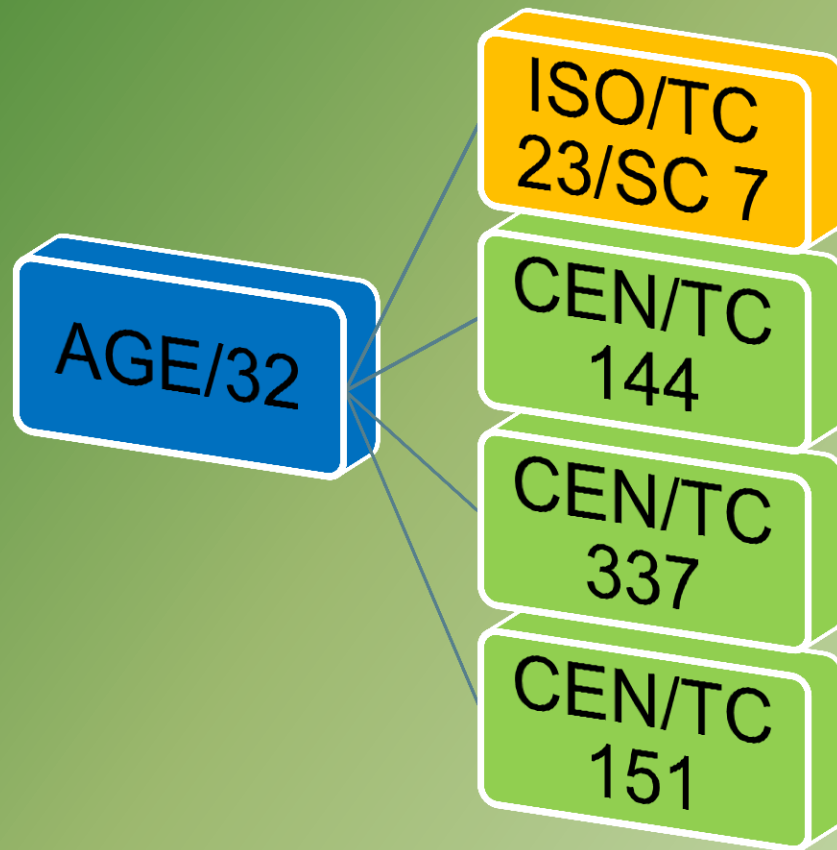
➤ BSI Committee
B/513/1

➤ Active Experts

➤ 10

➤ Standards

➤ Various with EN
13524 in revision +
amendment + new
Part 1



ISO/TC 23/SC 7

Equipment For Harvesting and Conservation

- Working Groups
 - 12 (5 Active)
 - Canvas skirt material/blade quality
 - Thrown object testing
 - Large rotary & flail mowers – safety (Inc. row crop)
 - Bale wrapper-safety
 - New WG 12 – Combine harvester revision

ISO/TC 23/SC 7

- National Body Members
- Chairman
- Secretary
- 16 Voting
- 14 Observer Countries
- K Hawken (BSI)
- L Rossignolo (UNI- ITALY)

ISO/TC 23/SC 7

- Authorities/Liaisons
 - CEMA
 - COPA – COGECA
 - FAO
 - European Ministries for Safety
 - AEM/ASABE
 - North American Legislators

ISO/TC 23/SC 7

- Links

- CEN/TC 144

- ISO/TC 23/SC
2/3/4/13/14/19

- AGE/06/20/32

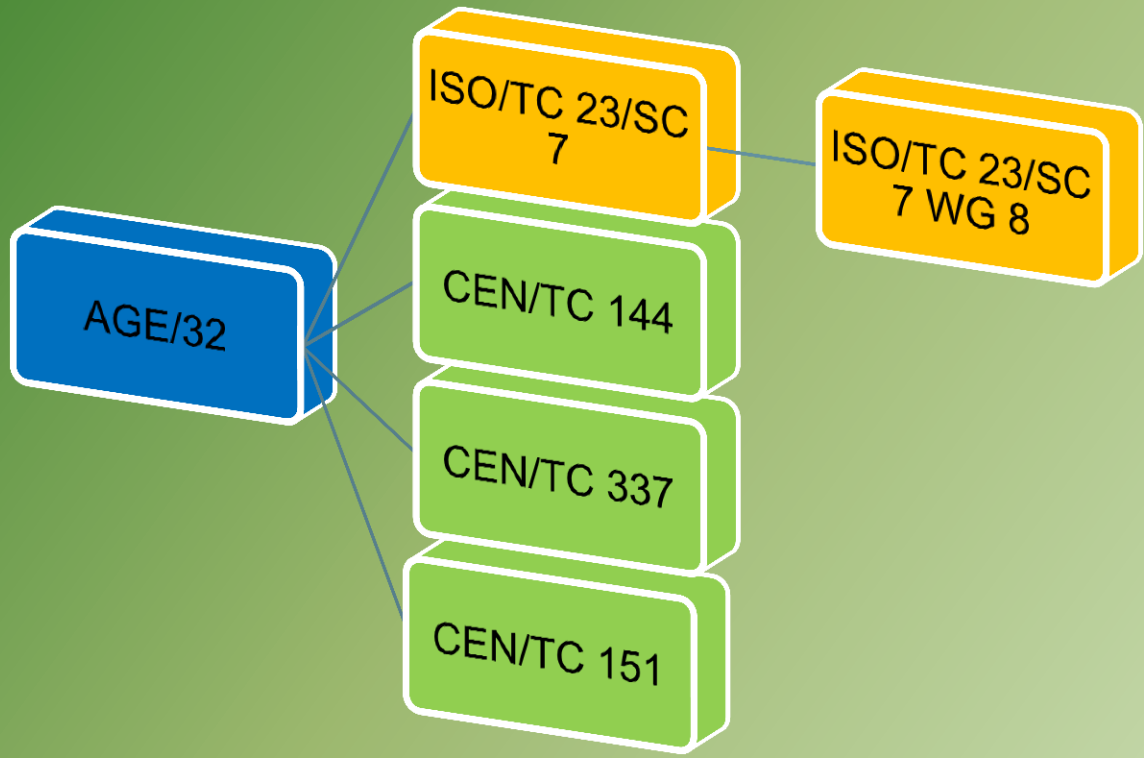
- Active Experts

- 30

ISO/TC 23/SC 7

Subject Matter

- Rotary & flail mowers (EN ISO 4254 Series)
- Large mowers
- Testing requirements + test houses
- Balers + wrapper
- Tedders + rakes
- Standards
- Combine + forage harvesters
- Vibration
- Seed drills (+SC 3)
- Spreaders(+SC 3)
- Power harrows
- Grain dryers
- Blades + materials
- 22+ 3 In progress

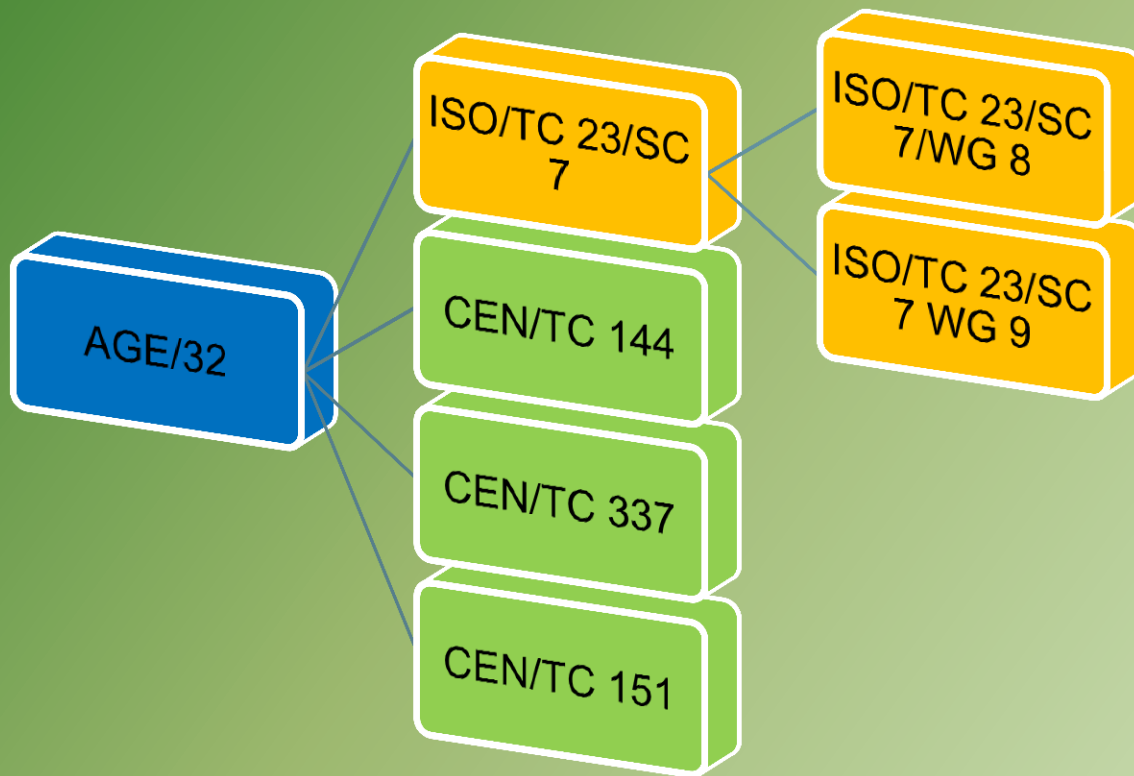


ISO/TC 23/SC 7

WG's

➤ Working Group 8

- Skirt material for mowers
- ISO 17103
- ISO 5718 Blade quality revision
- Members from USA, UK, Italy, Germany + Test Houses
- UK Convenorship

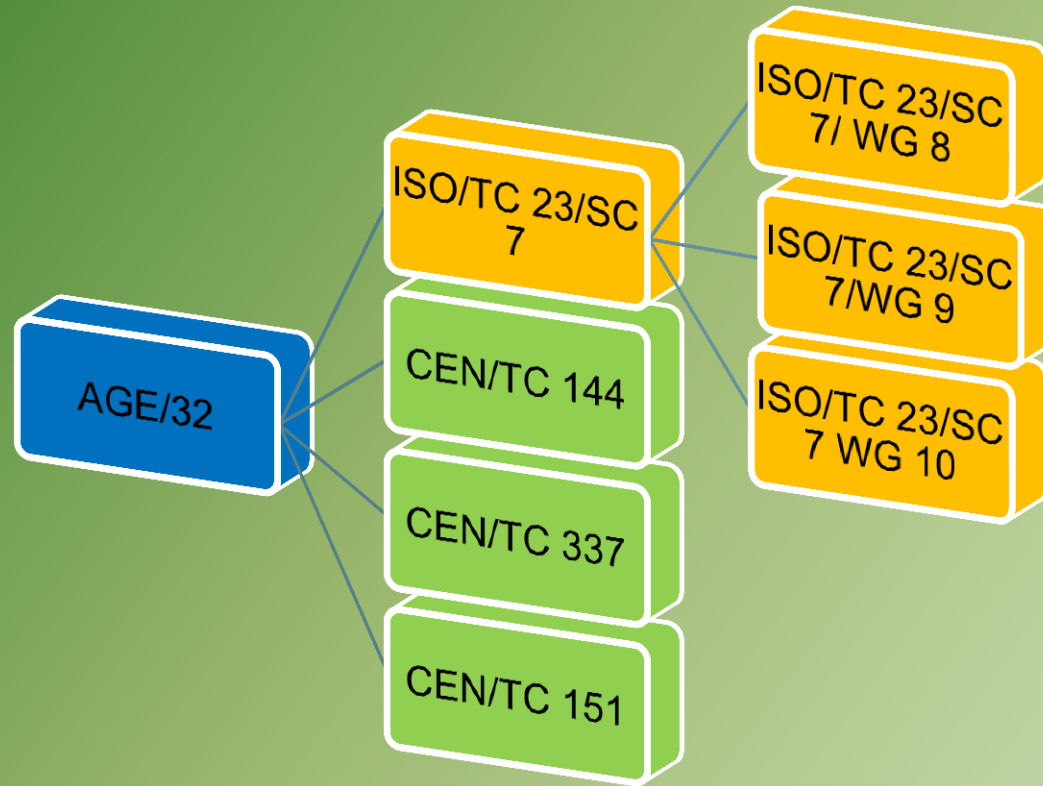


ISO/TC 23/SC 7

WG's

➤ Working Group 9

- Thrown object testing – rotary/flail mowers (ISO 17101-1 & 2)
- Round Robin world wide tests
- Members from USA, UK, Italy, Germany, France + Test Houses
- USA convenorship (ALAMO/ANSI)
- USA Secretariat (AEM/ANSI)

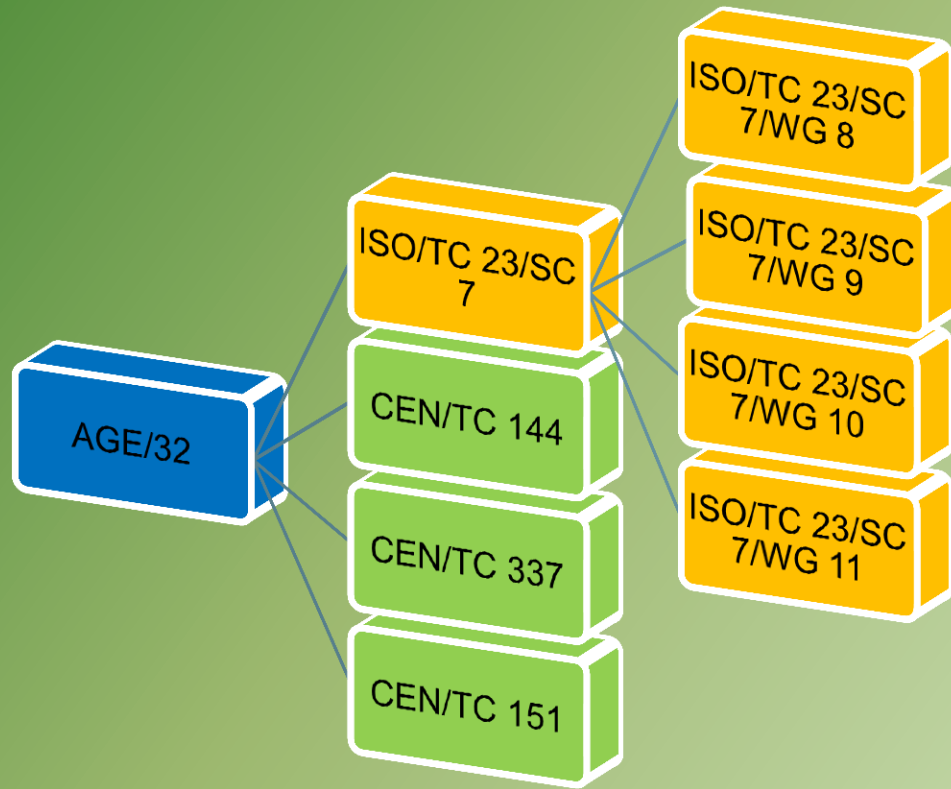


ISO/TC 23/SC 7

WG's

➤ WORKING GROUP 10

- Large rotary mowers – safety requirements
- ISO 4254-13
- Row crop mowers – ISO/WD 4254-15
- Members from USA, UK, Italy, Germany, Canada + test houses
- USA convenorship (ALAMO/ANSI)
- USA secretariat (AEM/ANSI)



ISO/TC 23/SC 7

WG's

➤ Working Group 11

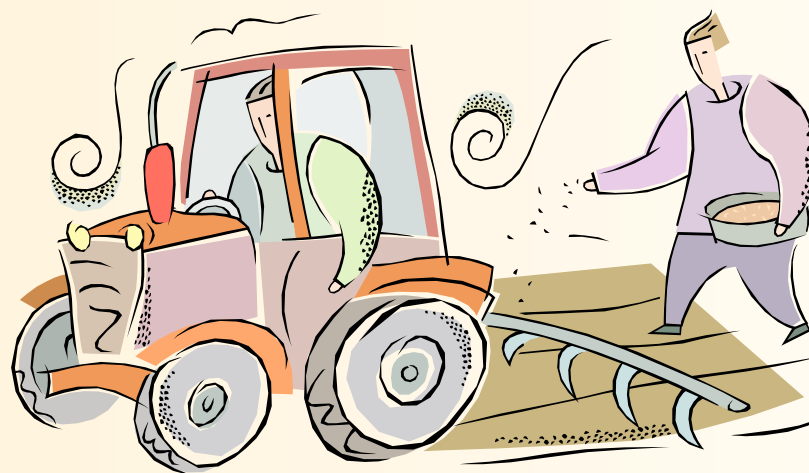
- Bale wrapper
- EN ISO 4254-14 -
Draft standard and
test criteria
- Members from China,
France, Finland,
Germany, Ireland,
Italy, Sweden,
Switzerland, UK, USA
+ test houses
- UK Convenorship
(AEA/BSI)
- IT Secretariat (CUNA)

ISO/TC 23/SC 7

WG's

- Working Group 12
 - Combine, forage & cotton harvester revision
 - EN ISO 4254-7 – New Work Item Proposal
 - Members from Belgium, Canada, China, France, Germany, Italy, Korea, Sweden, Switzerland, UK, USA, + test houses
 - USA Convenor
 - USA Secretariat

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Hedge Maintenance, Horticulture, Irrigation, Lawn & Garden, Livestock, Mowers
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Turf Maintenance, Vacuums, Vegetables, Washers, Waste Water



Thank you for listening



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