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Streetscape®

bringing european innovation

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A Showcase of SMET Streetscape® Projects

We encourage you to contact the contractors involved in delivering these high profile developments. They will testify to the quality of the Streetscape BS 7533 compliant products and the superior customer service provided by Smet Building Products Ltd. By specifying SMET Streetscape, you will gain competitive advantage in delivering your project in a timely, cost effective manner.



Newry Town Centre Public Realm, Co Down, NI

SIAC Construction required a very competitive price in order to secure the Newry Public Realm scheme. They also knew they had to surround themselves with contractors and suppliers who could deliver on price and service. SMET provided both. We helped to ensure this prestigious 5,500m² project came in on time and budget.

Craigmillar Library, Edinburgh, Scotland

Scottish Borders Council was seeking assistance in interpreting the specification provided for the 2,500m² hard landscaping on the new library in Craigmillar, Edinburgh. We were able to advise them and provide a solution that was both cost effective and ensured the project remained compliant with the requirements of BS 7533. SMET demonstrates, once again, best-practice in Streetscape partnerships.





Eden Square, Urmston, Manchester, England

Eric Wright Construction won the contract to refurbish this well-known local landmark. The hard landscaping had to tie in sympathetically with the existing pavements. SMET was able to provide quality products and superior site expertise to lay and joint the new paving without damaging or discolouring the existing stone. By specifying SMET, you gain competitive advantage in delivering high quality BS 7533 compliant Streetscape products.

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Bus Station, Stoke On Trent, England

In partnership with VINCI Construction UK, SMET supplied BS 7533 compliant bedding course, jointing and priming mortars for the £350 million Stoke-on-Trent City Council City Sentral redevelopment, comprising of 3,500 m^2 of natural stone paving. By providing a comprehensive Streetscape portfolio and superior level of customer focus and aftercare, SMET Building Products Ltd demonstrates best-practice in construction partnerships.

Donside Development, Aberdeen, Scotland

SMET supplied Streetscape BS 7533 compliant bedding course, jointing and priming mortars to partners, WM Donald Ltd, for the Streetscape of the newly constructed Donside Development in Aberdeen. The Donside development is close to Old Aberdeen, the university and is a prime riverside location. This Streetscape project comprising of 1,000 m^2 of natural stone paving, further enhances the natural beauty of the area.





Cathcart Square, Greenock, Scotland

Landscapes & Contracts Ltd continued the ongoing refurbishments of this well-known local landmark. The 1,500m^2 of hard landscaping ties in sympathetically with the existing improvements. SMET supplied quality BS 7533 compliant Streetscape mortars, a superior level of customer focus, site expertise and aftercare to install the natural stone paving on time and within budget.

Authority

Standard	Description
BS 7533-1:2001	Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of heavy duty pavements constructed of clay pavers or precast concrete paving blocks
BS 7533-2:2001	Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of lightly trafficked pavements constructed of clay pavers or precast concrete paving blocks
BS 7533-3:2005+A1:2009	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for laying precast concrete paving blocks and clay pavers for flexible pavements
BS 7533-4:2006	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for the construction of pavements of precast concrete flags or natural stone slabs
BS 7533-6:1999	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for laying natural stone, precast concrete and clay kerb units
BS 7533-7:2010	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for the construction of pavements of natural stone paving units and cobbles, and rigid construction with concrete block paving
BS 7533-8:2003	Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of lightly trafficked pavements of precast concrete flags and natural stone flags
BS 7533-9:2010	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for the construction of rigid pavements of clay pavers
BS 7533-10:2010	Pavements constructed with clay, natural stone or concrete pavers. Guide for the structural design of trafficked pavements constructed of natural stone setts and bound construction with concrete paving blocks
BS 7533-11:2003	Pavements constructed with clay, natural stone or concrete pavers. Code of practice for the opening, maintenance and reinstatement of pavements of concrete, clay and natural stone
BS 7533-12:2006	Pavements constructed with clay, natural stone or concrete pavers. Guide to the structural design of trafficked pavements constructed on a bound base using concrete paving flags and natural stone slabs
BS 7533-13:2009	Pavements constructed with clay, natural stone or concrete pavers. Guide for the design of permeable pavements constructed with concrete paving blocks and flags, natural stone slabs and setts and clay pavers

View the range of SMET Streetscape® Products

High-Strength Bedding Concrete

A superior quality polymer modified High-Strength Bedding Concrete, manufactured under an ISO 9001 quality controlled environment; using dried sands, lime, cement and additives specially designed to meet or exceed the requirements of BS 7533 part 7:2010. The product is used for bedding natural stone flags, cobbles and setts, clay and concrete pavers in a rigid construction.

Colour	Grey
Compressive Strength	43 N/mm²
Modulus Of Elasticity	16,000 N/mm²
Shrinkage	0.10 %
Density	2,050 kg/m³
Flexural Strength	8.4 N/mm²
Coverage	82 kg @ 40 mm
Maximum Thickness	75 mm (single pass)



High-Strength Bedding Concrete ECO

A high-quality polymer modified High-Strength Bedding Concrete, manufactured under an ISO 9001 quality controlled environment; using dried sands, recycled aggregates, lime, cement and additives, specially designed to meet or exceed the requirements of BS 7533 part 7:2010. The product is used for bedding natural stone flags, cobbles and setts, clay and concrete pavers in a rigid construction.

Colour	Grey
Compressive Strength	43 N/mm²
Modulus Of Elasticity	16,000 N/mm²
Shrinkage	0.10 %
Density	2,050 kg/m³
Flexural Strength	8.4 N/mm²
Coverage	82kg @ 40 mm
Maximum Thickness	75 mm (single pass)



Priming Slurry

A first-class polymer modified Priming Slurry, manufactured under an ISO 9001 quality controlled environment; using dried sands, lime, cement and additives specially designed to increase the adhesion of 'Streetscape:High-Strength Bedding Mortar' to achieve the requirements of BS 7533 part 7:2010. The product is used for improving bond to natural stone flags, cobbles and setts, clay and concrete pavers in a rigid construction.

Colour	Grey
Adhesion Strength	2.2 N/mm²
Thickness	1-2 mm
Coverage	15 - 17 m² per 20 kg
Bag Size	20 kg



Rapid-Set Jointing Mortar

An excellent quality rapid-set jointing mortar, manufactured under an ISO 9001 quality controlled environment; using dried sands, lime, cement and additives specially designed to meet or exceed the requirements of BS 7533 part 7:2010. The product is ideal for jointing of natural stone setts and cobbles, flags, concrete and clay pavers in a rigid, bonded construction.

Colour	Grey or Coloured
Compressive Strength	53 N/mm²
Adhesion Strength	1.5 N/mm²
Flexural Strength	8.7 N/mm²
Modulus Of Elasticity	16,400 N/mm²
Density	2,010 kg/m³
Shrinkage	0.10%
Yield per 25kg	13 litres



Rapid-Set Jointing Mortar ECO

A superior quality rapid-set jointing mortar, manufactured under an ISO 9001 quality controlled environment; using dried sands, recycled glass, lime, cement and additives specially designed to meet or exceed the requirements of BS 7533 part 7:2010. The product is ideal for jointing of natural stone setts and cobbles, flags, concrete and clay pavers in a rigid, bonded construction.

Colour	Grey or Coloured
Compressive Strength	53 N/mm²
Adhesion Strength	1.5 N/mm²
Flexural Strength	8.7 N/mm²
Modulus Of Elasticity	16,400 N/mm²
Density	2,010 kg/m³
Shrinkage	0.10%
Yield per 25kg	13 litres



Rapid Reinstatement Concrete

RRC 60 (Rapid Reinstatement Concrete) is produced in an ISO 9001 controlled environment; using a selected blend of low-alkali Portland Cements, cementitious binders, graded aggregates and chemical additives. All constituent materials comply with the relevant and current Irish, British and European standards. The product can be used as per Cl. 1032 of the NRA Specification for Road Works (2000).

Colour	Grey
Comprehensive Strength (28 days)	60 N/mm²
Flexural Strength (28 days)	12 N/mm²
Open Time Final Set	5 -10 mins 15 mins
Fresh Density	2,200 kg/m³
Coverage	12.5 litres per 25 kg



Epoxy Resin Bedding & Repair Mortar

A two part epoxy resin mortar specially developed to fulfil the requirements for a rapid setting mortar, for the permanent repair of damaged concrete, joint edges and broken steps. Its rapid setting properties make it ideal for the repair of concrete floors subjected to heavy usage and allows speedy return to use.

Comprehensive Strength (2 hours)	35.5 N/mm²
Comprehensive Strength (3 days)	92.50 N/mm²
Tensile Strength (2 hours)	12.5 N/mm²
Tensile Strength (3 days)	25.12 N/mm²
Flexural Strength (3 days)	23.60 N/mm²
Thickness	0.5 - 100mm



Signfix

A high quality highly early and ultimate strength, Rapid Set - Early Strength Concrete, manufactured under an ISO 9001 quality controlled environment; using low-alkali portland cements, cementitious binders, graded aggregates and chemical additives, specially designed to meet or exceed the requirements of fixing posts and signs.

Comprehensive Strength (2 hours)	15 N/mm²
Comprehensive Strength (7 days)	35 N/mm²
Flexural Strength (2 hours)	3.5 N/mm²
Flexural Strength (7 days)	9 N/mm²
Density	2,350 kg/m³
Open Time	20 mins



Sealer

A highly protective water and stain repellent based on nano particles, for porous and less porous streetscape substrates such as natural stone and concrete pavers. This state of the art technology protects the surface from dirt ingress while facilitating the removal of stains, oil and dirt with ease. Because of its high abrasion resistance, Tecnadis PRS Performance is ideally suited for streetscape environments subject to high level of dirt, traffic, graffiti and wear.

Colour	Clear
Surface Gloss	None
Drying Time	2-4 hours
ASTM 672, Sealing Test	0 (no scaling)
UV Resitance	Excellent
Penetration depth	2-6 mm
VOC Compliance	<195 g/L



Resin Bound Aggregate Tree Pit Kit

The Resin Bound Aggregate Tree Pit Kit is an easy way to install a tree pit topping layer without the need for specialist contractors. It is a very mobile formulation, which can be trowel finished to a very high quality. The kit is available in all aggregate colours, can be made to order and is the simplest solution for creating driveways, footpaths, seating areas and highly aesthetic tree pits.

Colour	Various
Aggregate Sizes	3, 6, 10 and 20 mm
Yield per kit: 3mm	0.4m² @ 40 mm
Yield per kit: 6mm	0.8m² @ 25 mm
Yield per kit: 10mm	1m² @ 20 mm
Yield per kit: 20mm	1.2m² @ 15 mm



Permeable Grout Binder DRB 875

One-component, solvent-free binder for particularly economical production of water-permeable bedding mortar and paving grout for stone and other pavings. It may be used in conjunction with e. g. Sopro QS 511 coarse silica sand (0.4 – 0.8 mm) to produce a readily workable, water-permeable bedding mortar and paving grout. For light to medium duty, depending on silica sand grading curve and proportion of binder.

Colour	Clear
Suitable Silica Sand Grading	0.4 -1.3 mm
Binder Content	approx 3%
Max. Joint Width	5 mm
Pot Life	45 mins
Foot Traffic	24 hours
Vehicle Traffic	7 days
Min. Joint Depth	30 mm (light duty) 50 mm (medium duty)



One Component Grout PF 1-K

One-component,resin-modified, solvent-free, pre-mixed, atmospheric oxygen-curing grout for light-duty stone and other pavings, e.g. patios, garden paths/surfaces, yards and driveways. For joint widths from 5mm, water-permeable and suitable for high-pressure water jetting. An outdoors, straightforward application grout, which is ready-to-use, resistant to frost and de-icing salts.

Colour	Grey, Sand or Anthracite
Compressive Strength	12 N/mm²
Flexural Strength	5 N/mm²
Min. Joint Width	3 mm
Pot Life	30 mins
Foot Traffic	24 hours
Vehicle Traffic	7 days
Yield per 25kg	1.7 kg = 1 L



Two Component Grout EPF

Two-component, water-emulsifiable epoxy resin grout for light- to medium-duty stone and other pavings, e.g. pedestrian precincts, parks, residential streets and car parks. For joint widths from 5mm, outdoor use and water-permeable. Resistant to suction sweeper loads and suitable for high-pressure water jetting. A straightforward application.

Colour	Grey, Sand or Anthracite
Compressive Strength	30 N/mm²
Flexural Strength	12 N/mm²
Min. Joint Width	5 mm
Pot Life	45 mins
Foot Traffic	24 hours
Vehicle Traffic	7 days
Yield per 25kg	1.7 kg = 1 L



Heavy Duty Epoxy Grout HFE 694

Water-emulsifiable, solvent-free, two-component epoxy grout for natural stone and other pavings. Used to produce water-impermeable joints in heavy-duty surfaces, e.g. roads, streets, car parks and loading bays. For joint widths upwards of 10 mm, outdoor use, waterproof (subject to adequate compaction), resistant to suction sweeper loads, suitable for high-pressure water jetting and may be slurry-applied.

Colour	Sand
Compressive Strength	50 N/mm²
Flexural Strength	20 N/mm²
Min. Joint Width	10 mm
Pot Life	35 mins
Foot Traffic	24 hours
Vehicle Traffic	7 days
Yield per 25kg	1.8 kg = 1 L



Drainage Bedding Mortar DM 610

Trass cement-bonded bedding mortar for laying natural stones, pavers, flags and tiles in outdoor areas. Due to grading curve, a highly-water permeable mortar bed is achieved which has virtually no capillary suction, thereby effectively preventing water damage, such as efflorescence and structural damage caused by frost. Use on balconies, patios, stairs, landings and other external areas.

Colour	Grey
Compressive Strength	25 N/mm²
Capillary Water Absorbtion	C ≤ 0.05 kg/(m² × min 0.5)
Shrinkage	0.10 %
Density	2,050 kg/m³
Flexural Strength	4 N/mm²
Coverage	16 kg/cm/ m²
Minimum Thickness	20 mm (foot traffic) 40 mm (vehicles)



Flexible Bonding Slurry HSF 748

A one-component, trass-bearing, high polymer-modified bonding and contact slurry for laying of natural or cast stone coverings and paving units. As bonding layer applied to Drainage Bedding mortar or other porous screed types with single-size grading. Available in 25kg bags, coloured grey.

Colour	Grey
Adhesion Strength	2.0 N/mm²
Thickness	1-2 mm
Coverage	1.5 - 2.0 kg/m²
Bag Size	25 kg



Drainage Mat DRM 653

Drainage mat made of polyethylene and non-woven fabric. Used in conjunction with Sopro DRM 610 drainage mortar ensures reliable horizontal drainage of balconies, patios and staircases underneath ceramic and natural stone tile finishes. The Sopro DM 653 drainage mat is loose laid on flexible sealing slurries, e.g. Sopro DSF 523 or 623, or waterproof sheeting to DIN 18195.

Colour	Red
Height	8 mm
Size	1m x 15 m



Trass Mortar Binder TRB 421

Special trass-bearing, cementitious binder for preparation of thick-bed adhesives, wall tile adhesives and drainage mortars. For preparation of smooth, easily workable, highly resistant and dense mortars for indoor and outdoor use, particularly suitable for laying sensitive, discoloration-prone natural stone coverings.

Colour	Grey
Compressive Strength	43 N/mm²
Modulus Of Elasticity	16,000 N/mm²
Shrinkage	0.10 %
Density	2,050 kg/m³
Flexural Strength	8.4 N/mm²
Coverage	82kg @ 40 mm
Maximum Thickness	75 mm (single pass)



Jointing Mortar For Concrete Paving Units BSF 611

Rapid-set, trass-bearing, cementitious paving grout, particularly suitable for concrete segmental pavements in gardens, landscaped areas and medium to heavy duty vehicular pavements, including areas exposed to frost and de-icing salts. Specially tailored to comply with the properties of concrete pavers (e.g. in respect of strength and temperature behaviour).

Colour	Grey
Compressive Strength	35 N/mm²
Flexural Strength	7 N/mm²
Joint Width	5-30 mm
Pot Life	3-5 mins
Foot Traffic	2.5 hours
Vehicle Traffic	3 days
Yield per 25kg	1.9 kg = 1 L



High Strength Jointing Mortar PFM

Rapid-set, trass-bearing, cementitious paving grout, specially for heavy-duty natural and concrete pavings. The trass content serves to reduce efflorescence. Particularly suitable for heavy-duty street/road surfaces, pedestrian precincts, hard landscaping and areas exposed to water jetting, frost and de-icing salts.

Colour	Grey, Pavement Grey, Anthracite
Compressive Strength	68 N/mm²
Flexural Strength	8 N/mm²
Joint Width	5-30 mm
Pot Life	3-5 mins
Foot Traffic	1 hour
Vehicle Traffic	3 days
Yield per 25kg	1.9 kg = 1 L



Grout Cleaning Aid PFA 867

Water dissolved, high-alkaline cleaning aid to achieve temporary water repellency of absorbent concrete and natural stone pavers to facilitate grouting. Sopro PFA 867 paving Grout Cleaning Aid penetrates capillary system of mineral pavers to achieve water repellency, thereby allowing easier removal of Sopro paving grouts. Also suitable as cleansing aid for polygonally laid natural stone tiles in wall and floor areas.

Colour	Clear
Yield per 1 L	5-15 m²



Joint Sealant

Flexible, oxime-free, chemical resistant sealant for sealing floor and perimeter joints exposed to high mechanical and chemical loads in warehouses, factory halls, workshops, washing facilities, catering kitchens and yard areas. For outdoor use, high temperature resistance up to +265 °C, Excellent chemical, ageing, UV and weathering resistance, resistant to high-pressure cleaning.

Colour	Grey
Width-Depth Ratio	5 mm/5 mm; 6 mm/6 mm; 8 mm/8 mm; 10 mm/8 mm; 12 mm/8 mm; 15 mm/10 mm
Yield per tube	3.1 l/m @ 10 x 10 mm
Hardening Time	2-3 mm 24 hours



Medium Bed Adhesive MB 425

Trass-bearing, cementitious medium-bed tile adhesive for 5 – 20 mm bed thicknesses. For laying and bonding of tiles, terracotta, natural and cast stone units and ceramic coverings with high thickness tolerances. Contains Rhenish trass to reduce risk of discoloration and efflorescence. Suitable for external use.

Colour	Grey
Minimum Thickness	5 mm
Maximum Thickness	20 mm
Maxium Slab Size	400 x 400 mm
Coverage	1.3 kg/mm/m²
Open Time	approx. 3 hours



Thick Bed Adhesive MDM 888

Flexible, rapid-set, polymer-modified, trass-bearing, cementitious medium- and thick-bed tile adhesive for up to 30 mm bed thicknesses. Particularly suitable for laying large-format tiles and natural stone coverings using medium or thick-bed method internal and external. Contains Rhenish trass to reduce risk of discoloration and efflorescence. The rapid-setting properties reduce risks posed by dishing-prone covering materials.

Colour	Grey
Minimum Thickness	5 mm
Maximum Thickness	30 mm
Maximum Slab Size	N.A.
Coverage	1.4 kg/mm/m²
Open Time	approx. 30 min.



Flexible Tanking Slurry DSF 523

Flexible, one-component, cementitious sealing slurry used to produce crack-bridging waterproof coatings. Suitable for brush-on waterproof coatings on balconies, patios and swimming pools. For refurbishment of solid, strong existing tile coverings on balconies and patios (tile-on-tile). Ideal for waterproofing fountains and spring catchments.

Colour	Grey
Drying Time	4 hours per coat
Roller Application	Yes
Trowel Application	Yes
Brush Application	Yes
Spary Application	Yes
Coverage	1.4 kg/mm/m²
Open Time	approx. 2 hours



Rapid-Set Levelling Mortar RAM 3

Universal, grey, sag-resistant, rapid-set, cementitious mortar for smoothing, patching and creating falls, suitable for floor and walls. For application to mineral substrates, e. g. concrete, aerated concrete and masonry. Excellent workability and mouldability. Ideal for renovation and refurbishment. Ready for tiling after only 2 hours. Suitable for use in damp and wet spaces, on balconies and patios.

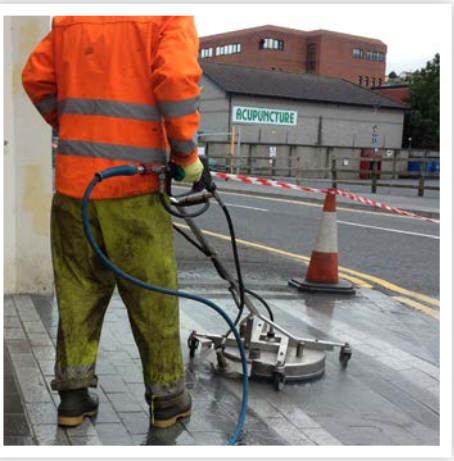
Colour	Grey
Compressive Strength	> 20 N/mm²
Tensile Adhesion Strength	> 1.5 N/mm²
Capillary Water Absorbtion	W: < 0.1
Thickness	3 - 30 mm
Trowel Application	Yes
Coverage	1.5 kg/mm/m²
Open Time	20 minutes



High Performance Cleaner KRA 631

High-performance acidic cleaner for removal of efflorescence, concrete and mortar residue, incrustations and general soiling from any type of acid-resistant surface, e.g. natural and cast stone, walls, facades, patios, clinker and tiling.

Size	1 L



SMET Silo Mixing Station

The Smet Silo Mixing Station is capable of storing 22 m³ of dry pre-mix material on site. The continuous mixer is fitted with highly modern PU and steel components that guarantee economically effective and efficient operation. Designed to process dry mortar products with a granularity of up to 6mm. The use of PU components makes cleaning easier and means less caking than with similar metal components. The result: quick, residue-free cleaning.

Output	100 L/m
Max. Filled gross weight	42 T
Drive Motor	5.5 kW, 400 V, 50 HZ



Pergo Belt Cleaner

Petrol powered 4hp sponge belt cleaner for fast and effective cleaning of surplus jointing materials from pavement slabs and sets. Machine is available for purchase or hire. Please contact us for further details.

Cleaning Rate	approx. 200 m² per hour
Weight	80 kg
Sponge Width	360 mm
Noise Level	76 dBA
Vibration Level	2.5 m/s



Grout Squeegee

High quality squeegee for application of Jointing Materials.



SMET

SMET is dedicated to delivering innovative Self Levelling Floor Screeds, Renders, Plasters, Clean Wall® Healthy Wall System, Professional Tiling Systems, Natural Hydraulic Lime products, and Streetscape® BS 7533 Compliant Mortars. As a family-run, award-winning business, it's strength is in delivering innovative high-quality products supported by exceptional technical and conscientious customer service.

SMET Streetscape® Partner in Construction

Kilsaran is the manufacturing partner for SMET Streetscape® BS 7533 compliant range. Kilsaran is the largest producer of concrete products in Ireland, it's best-in-class manufacturing capability is backed up by technical expertise and a long track record of providing customers in the UK and Ireland with great service. SMET Streetscape® portfolio complies with the rigorous requirements of BS 7533 with all products undergoing independent testing and certification to confirm compliance.

Service & Support

SMET have a further unique competitive advantage in servicing larger paving and public realm projects, in the form of SMET dry mortar silos. The mixers have been specially configured to handle High Strength Bedding Mortar HSBC, without the blocking and bridging that occurs with standard silos. SMET silos are a 3-phase unit with an unstoppable 5.5kw motor. The SMET Streetscape® range is backed up with the expertise of a technical advisor. SMET is site focused, providing you with industry specialists who will be with you on site to build your test panel, provide training and support as well as demonstrate the Streetscape® materials. SMET do not 'sell and forget', it will continue to monitor the scheme to ensure a first class finish.

A Guarantee For Quality

SMET recognise as a supplier of superior quality building products and services, it must ensure operations are carried out to the highest of standards. In order to achieve this, SMET operates a BSI registered ISO 9001: 2015 Quality Management System, a BSI registered ISO 14001: 2015 Environmental Management System, and a BSI registered ISO 45001:2018 Occupational Health and Safety Management System. These management systems define working procedures and processes, underpinning commitment to providing excellence in all SMET's services, systems, and products.

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