CERP3 Decarbonization Procurement family 10

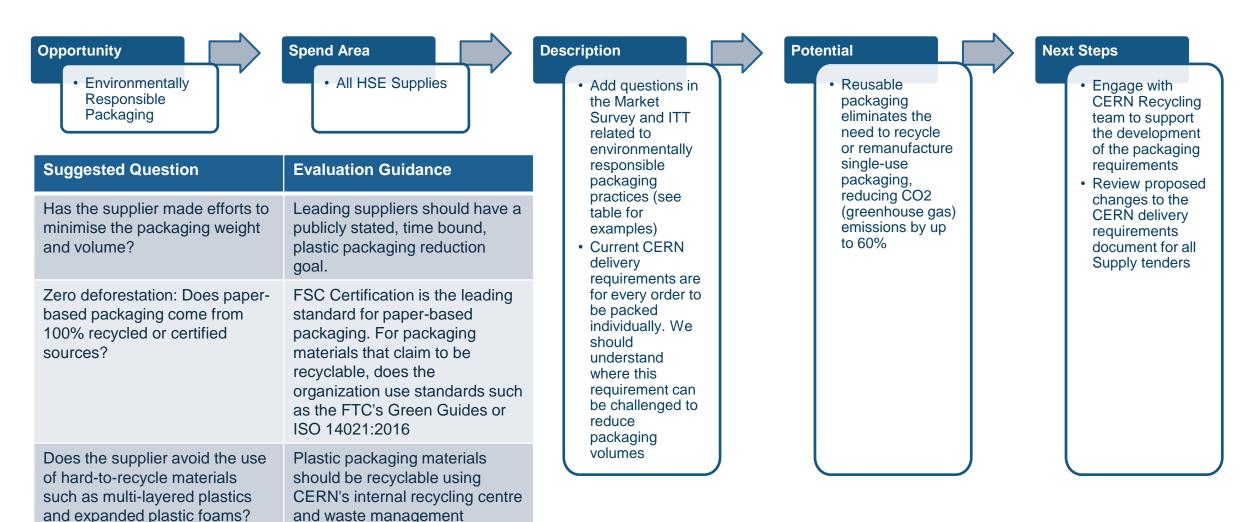
Health, Safety and Environment

Current Situation in Procurement family 10 – Health, Safety and Environment

- The major spend sub-categories include fire, smoke and gas detection, medical services and supplies PPE and dosimeters.
- ► There is currently limited inclusion of Environmental Responsibility in procurement activities.
- Fire and smoke detection suppliers like Hekaton are often noncompetitively extended for 20+ years.
- ► PPE spend includes one supplier set up on a punchout (Prolians) and then spot orders due to COVID.

providers

Challenge suppliers to reduce the volume of and increase the recyclability of HSE supplies packaging



Seek opportunities to consolidate non-urgent orders to 1 day per week to reduce last mile delivery emissions and packaging volumes

Opportunity

 Punchout Delivery Day

Spend Area

• Punchout (PPE)



Description

- CERN punchout catalogue suppliers like PPE supplier Prolians have SLA's in their contract that require deliveries to be made within 48hours to CERN
- The individually wrapped parcels are taken from CERN receptions on the Swiss or French sites to end users using internal logistics
- For non-urgent orders an option to consolidate deliveries from punchout catalogues into one day would significantly reduce the emissions of supplier and internal logistics

Potential

- If end users are given the option to schedule deliveries for one day in a week like Amazon's Delivery Day rather than requiring all orders to be delivered within 48 hours then this will significantly reduce the number of deliveries to CERN and internal logistics journeys
- This may also allow individual punchout suppliers to consolidate multiple items into single parcels for end users if multiple orders are made across one week
- End users can be encouraged to make this choice from an environmental perspective and this may alleviate some of the reported operational challenges

Next Steps

- Engage punchout catalogue suppliers like Prolians to understand the feasibility of adding a weekly delivery day option for orders within the current contracts
- Ask suppliers and CERN internal logistics team to quantify the environmental impact of moving from 48hour delivery only to weekly end user delivery days so this information can be shared with end users

Where CERN have long standing relationships with HSE suppliers time can be invested in SRM activities around Environmental Responsibility

• Supplier Relationship Management Spend Area • Fire and smoke detection

Examples of SRM Activity

- Asking suppliers to report on their progress towards measuring and reducing their own carbon emissions
- ► Encouraging suppliers to bring innovations that reduce the embodied and operational carbon emissions, for example, initiatives to increase the content of recycled materials and improve the energy efficiency of products

Description

- CERN has some long-term relationships with Fire and smoke detection suppliers they cannot easily change like Hekatron PA Securition
- CERN should communicate the ambition to be a leading environmentally responsibly research laboratory and encourage suppliers to improve the environmental responsibility of their organisation and products

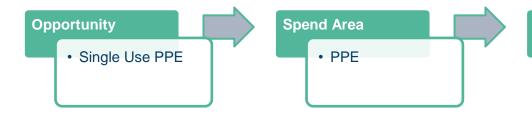
Potential

- When longerstanding supplier relationships are in place suppliers are able to more confidently invest in innovations to make their products and services more environmentally responsible
- There is an ongoing requirement for Hekatron to maintain the detection systems which includes replacing batteries which, depending on their type, may have a significant environmental impact

Next Steps

 Include questions related to Environmental Responsibility in SRM meetings and collaborate with suppliers on solutions

Embed environmental responsibility into PPE specifications to reduce the number of non-recyclable and single use items that are purchased





Description

- PPE items like masks became a necessity during the pandemic and a limited supply meant that single-use items were often the only option available this market has rapidly evolved and offerings are now available for environmentally responsible organisations
- A high portion of PPE currently purchased by CERN, particularly PPE related to COVID includes single-use disposable items
- When defining requirements for future PPE suppliers CERN should engage with initiatives like Revolution-ZERO, which produces zerocarbon, zero-waste targeted PPE, from face masks to gowns

Potential

- PPE is a highly visible product for CERN stakeholders so ensuring that PPE items are ecofriendly will demonstrate CERN's commitment to environmental responsibly
- One recent study found that if every person in the United Kingdom used one singleuse mask each day for a year it would create 66,000 tonnes of contaminated plastic waste the equivalent weight of six Eiffel Towers

Next Steps

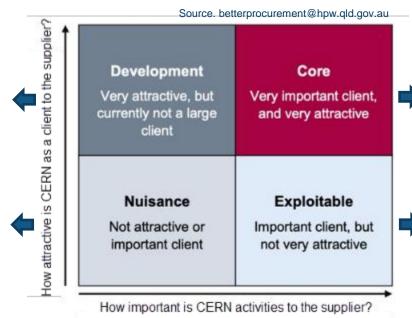
- Engage PPE suppliers to understand if more environmentally responsible items are available in their current product ranges
- Develop requirements for future tenders to limit the purchasing of single use, nonrecyclable PPE

For Environmentally Responsible Procurement actions that rely on supplier collaboration CERN should prioritize working with engaged suppliers

Supplier seeking to grow their business with CERN are more receptive to sustainability requests.

Opportunity for supplier in the development in terms of sustainability and innovation.

Low potential to drive sustainability issues. If possible consider changing the supply base.



Where would suppliers from each Procurement Code place CERN?

- Open to change and to sustainability requests.
- Focus on driving sustainability objectives and influencing the supply market.

- Focus on improving CERN relationship with the supplier.
- Potential in pushing sustainability agenda through building attractiveness as a client.