Update on eProcurement
eSignature for contracts
Registrations in the eProcurement platform (>3200 firms)
Open access to the supplier database

https://procurement.web.cern.ch/en/welcome
Number of orders (PC, CA, CD, DL) sent through eProcurement platform in 2019

<table>
<thead>
<tr>
<th>Month</th>
<th>Number of orders sent via eProcurement</th>
<th>Number of orders sent</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>1029</td>
<td>2014</td>
<td>51%</td>
</tr>
<tr>
<td>05</td>
<td>1130</td>
<td>2130</td>
<td>53%</td>
</tr>
<tr>
<td>06</td>
<td>975</td>
<td>1913</td>
<td>51%</td>
</tr>
<tr>
<td>07</td>
<td>1134</td>
<td>2098</td>
<td>54%</td>
</tr>
<tr>
<td>08</td>
<td>894</td>
<td>1729</td>
<td>52%</td>
</tr>
<tr>
<td>09</td>
<td>517</td>
<td>936</td>
<td>55%</td>
</tr>
</tbody>
</table>
eSignature for contracts

- Paperless strategy initiated

- Final milestone!
  (Towards end-to-end electronic processing & archiving of the Procurement chain)

- Improve process quality and efficiency:
  - Traceability & follow-up
  - Reduced lead time
Current process

- Paper internal preparation
- First cover letter signed
- Send paper version to supplier
- Contractor signs, add comments if any & send back
- CERN reviews contractor(s) comments, if any
- If comments are accepted, CERN counter-signs each comment on each version
- CERN signatories sign
- Second cover letter signed
- Internal check of signature rights
- Send signed version to contractor

Future process

- Upload final version + annexes
- Setup signature flow based on signature rights
- Prepare placeholders
- Initiate signature flow
- All signatories sign, comment if needed
  - Real-time commenting and answering
  - Everyone receives a copy of the completed signed document
# Next steps

<table>
<thead>
<tr>
<th>Sep 19</th>
<th>Oct 19</th>
<th>Nov 19</th>
<th>Dec 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal tests</td>
<td>Proof-of-Concept</td>
<td>Review results &amp; plan next steps</td>
<td>Annual closure</td>
</tr>
</tbody>
</table>

- ILO Forum announcement
Security level

• Electronic Signature (simple)
  • Electronic data serving as a method of authentication

• Advanced Electronic Signature (AES)
  • Uniquely linked to the signatory
  • Capable of identifying the signatory
  • Created using means that the signatory can maintain under their sole control
  • Linked to the data in such a way that any subsequent change in the data is detectable

EU Directive 1999/93/CE (arts 2.1, 2.2 & 5.1)

(We could secure even more with a code)

• Qualified Electronic Signature (QES):
  • AES requirements +
  • Qualified certificate
  • Created by a secure signature creation device

→ Only QES is admissible as evidence in legal proceedings & satisfies legal requirements [...] in the same manner as a hand-written signature.