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1 <?xml version="1.0" encoding="UTF-8"?>
2 <!-- 本案例文件僅含Intel永續報告部分內容，由屏大周國華老師研究團隊成員蘇佳成編製 -->
3 <xbrli:xbrl xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation=
  "http://xbrl.org/2006/xbrldi http://www.xbrl.org/2006/xbrldi-2006.xsd"
  xmlns:ifrs_sds_entry_point=
  https://xbrl.ifrs.org/taxonomy/2022-05-25/ifrs_sds/ifrs_sds_entry_point"
  xmlns:rol_ifrs_s1_2022-05-25=
  https://xbrl.ifrs.org/role/ifrs_sds/rol_ifrs_s1_2022-05-25" xmlns:gen=
  http://xbrl.org/2008/generic" xmlns:rol_dim=
  https://xbrl.ifrs.org/role/ifrs_sds/dimensions_2022-05-25" xmlns:ref=
  http://www.xbrl.org/2006/ref" xmlns:xbrldt="http://xbrl.org/2005/xbrldt"
  xmlns:rol_ifrs_s2_2022-05-25=
  https://xbrl.ifrs.org/role/ifrs_sds/rol_ifrs_s2_2022-05-25" xmlns:xl=
  http://www.xbrl.org/2003/XLink" xmlns:ifrs-sds=
  https://xbrl.ifrs.org/taxonomy/2022-05-25/ifrs-sds" xmlns:utr=
  http://www.xbrl.org/2009/utr" xmlns:link="http://www.xbrl.org/2003/linkbase"
  xmlns:enum2="http://xbrl.org/2020/extensible-enumerations-2.0" xmlns:xlink=
  http://www.w3.org/1999/xlink" xmlns:rol_im_1_2022-05-25=
  https://xbrl.ifrs.org/role/ifrs_sds/rol_im_1_2022-05-25" xmlns:dtr-types_2=
  http://www.xbrl.org/dtr/type/2022-03-31" xmlns:dtr-types=
  http://www.xbrl.org/dtr/type/2020-01-21" xmlns:iso4217=
  http://www.xbrl.org/2003/iso4217" xmlns:reference="http://xbrl.org/2008/reference"
  xmlns:xbrldi="http://xbrl.org/2006/xbrldi" xmlns:label="http://xbrl.org/2008/label"
  xmlns:xbrli="http://www.xbrl.org/2003/instance">
4   <link:schemaRef xlink:type="simple" xlink:href=
  "../../../IFRSSDT_2022-05-25/ifrs_sds_entry_point_2022-05-25.xsd"/>
5   <xbrli:context id="From20210101To20211231">
6     <xbrli:entity>
7       <xbrli:identifier scheme="https://www.sec.gov/">0000050863</xbrli:identifier>
8     </xbrli:entity>
9     <xbrli:period>
10      <xbrli:startDate>2021-01-01</xbrli:startDate>
11      <xbrli:endDate>2021-12-31</xbrli:endDate>
12    </xbrli:period>
13  </xbrli:context>
14  <xbrli:context id="Context_Duration_PerflourinatedCarbonsMember">
15    <xbrli:entity>
16      <xbrli:identifier scheme="https://www.sec.gov/">0000050863</xbrli:identifier>
17    </xbrli:entity>
18    <xbrli:period>
19      <xbrli:startDate>2021-01-01</xbrli:startDate>
20      <xbrli:endDate>2021-12-31</xbrli:endDate>
21    </xbrli:period>
22    <xbrli:scenario>
23      <xbrldi:explicitMember dimension="ifrs-sds:PollutantAxis">
        ifrs-sds:PerflourinatedCarbonsMember</xbrldi:explicitMember>
24      </xbrli:scenario>
25    </xbrli:context>
26    <xbrli:context id="Context_Duration_GridElectricityMember">
27      <xbrli:entity>
28        <xbrli:identifier scheme="https://www.sec.gov/">0000050863</xbrli:identifier>
29      </xbrli:entity>
30      <xbrli:period>
31        <xbrli:startDate>2021-01-01</xbrli:startDate>
32        <xbrli:endDate>2021-12-31</xbrli:endDate>
33      </xbrli:period>
34      <xbrli:scenario>
35        <xbrldi:explicitMember dimension="ifrs-sds:EnergySourceAxis">
          ifrs-sds:GridElectricityMember</xbrldi:explicitMember>
36        </xbrli:scenario>
37      </xbrli:context>
38      <xbrli:context id="Context_Duration_RenewableEnergyMember">
39        <xbrli:entity>
40          <xbrli:identifier scheme="https://www.sec.gov/">0000050863</xbrli:identifier>
41        </xbrli:entity>
42        <xbrli:period>
43          <xbrli:startDate>2021-01-01</xbrli:startDate>
44          <xbrli:endDate>2021-12-31</xbrli:endDate>
45        </xbrli:period>
46        <xbrli:scenario>
47          <xbrldi:explicitMember dimension="ifrs-sds:EnergySourceAxis">
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48         ifrs-sds:RenewableEnergyMember</xbrldi:explicitMember>
49     </xbrli:scenario>
50 </xbrli:context>
51 <xbrli:unit id="MetricTonnesOfC02Equivalent">
52     <xbrli:measure>utr:tC02e</xbrli:measure>
53 </xbrli:unit>
54 <xbrli:unit id="Gigajoule">
55     <xbrli:measure>utr:GJ</xbrli:measure>
56 </xbrli:unit>
57 <xbrli:unit id="CubicMetre">
58     <xbrli:measure>utr:m3</xbrli:measure>
59 </xbrli:unit>
60 <xbrli:unit id="Pure">
61     <xbrli:measure>xbrli:pure</xbrli:measure>
62 </xbrli:unit>
63 <ifrs-sds:GreenhouseGasEmissionsDisclosureTextBlock contextRef=
    "From20210101To20211231"/>
64 <ifrs-sds:GrossScope1GreenhouseGasEmissions decimals="-6" contextRef=
    "Context_Duration_PerflourinatedCarbonsMember" unitRef=
    "MetricTonnesOfC02Equivalent">1120000</ifrs-sds:GrossScope1GreenhouseGasEmissions>
65 <ifrs-sds:GrossScope1GreenhouseGasEmissions decimals="-6" contextRef=
    "From20210101To20211231" unitRef="MetricTonnesOfC02Equivalent">2181000
    </ifrs-sds:GrossScope1GreenhouseGasEmissions>
66 <ifrs-sds:Scope1EmissionsLongTermAndShortTermStrategyTargetsAndPerformanceAnalysisTe
    xtBlock contextRef="From20210101To20211231">Targets :
67 In April 2022 we nnounced a new commitment to reach net zero Scope 1 and 2 GHG
    emissions by 2040.
68 We continued our 100% renewable electricity commitment for our US, Europe, Israel
    and Malaysia operations, and achieved 80% globally by the end of 2021.
69 Strategy :
70 Our approach to renewable and alternative electricity investments has been to reduce
    our own carbon foot-print while encouraging others to take similar actions.
71 Performance analysis:
72 During 2021, our Scope 1 and 2 emissions increased by approximately 14% from the
    2019 baseline. We now have more than 100 alternative and renewable electricity
    installations with capacity of more than 50,000 kW across 23 Intel campuses.
73 </ifrs-sds:Scope1EmissionsLongTermAndShortTermStrategyTargetsAndPerformanceAnalysisTex
    tBlock>
74 <ifrs-sds:EnergyConsumed decimals="-6" contextRef="From20210101To20211231" unitRef=
    "Gigajoule">41900000</ifrs-sds:EnergyConsumed>
75 <ifrs-sds:WaterWithdrawn decimals="-6" contextRef="From20210101To20211231" unitRef=
    "CubicMetre">54100000</ifrs-sds:WaterWithdrawn>
76 <ifrs-sds:WaterConsumed decimals="-6" contextRef="From20210101To20211231" unitRef=
    "CubicMetre">11600000</ifrs-sds:WaterConsumed>
77 <ifrs-sds:EffortsToMinimizeUsageOfIEC62474DeclarableSubstancesTextBlock contextRef=
    "From20210101To20211231"/>
78 <ifrs-sds:EffortsToDesignForNewAndEmergingUsagePatternsWithRespectToEnergyEfficiency
    InAllProductCategoriesTextBlock contextRef="From20210101To20211231">Processor:
79 In 2021, we launched 12th Generation Intel® Core™ processors for desktop and
    notebook computers, with hybrid architecture comprising performance cores and
    efficient cores.
80 Based on power and performance optimization done in partnership with OEMs, Intel
    11th Generation Intel® Core™ mobile processor (Tiger Lake)-based systems achieve 16
    hours of battery life on Windows2–double the eight hours of battery life in 2015.
81 PC:
82 Intel published the ATX12V0 power supply specification, which provides higher
    platform power efficiency in a smaller footprint. Together with Modern Standby, the
    latest ATX12V0 desktop systems will have over 40% reduction in typical energy
    consumption relative to an average system.
83 </ifrs-sds:EffortsToDesignForNewAndEmergingUsagePatternsWithRespectToEnergyEfficiencyI
    nAllProductCategoriesTextBlock>
84 <ifrs-sds:EnergyConsumedPercentage decimals="2" contextRef=
    "Context_Duration_GridElectricityMember" unitRef="Pure">0.83
    </ifrs-sds:EnergyConsumedPercentage>
85 <ifrs-sds:EnergyConsumedPercentage decimals="2" contextRef=
    "Context_Duration_RenewableEnergyMember" unitRef="Pure">0.80
    </ifrs-sds:EnergyConsumedPercentage>
86 <ifrs-sds:ProductLifecycleManagementDisclosureTextBlock contextRef=
    "From20210101To20211231">While we do disclose information on our strategy and

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approach to product ecology and supplier requirements for declarable substances, we do not believe a single percentage of revenue is an effective metric for evaluating risk and performance in this area.

</ifrs-sds:ProductLifecycleManagementDisclosureTextBlock>

</xbrli:xbrl>

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