Technicolor SA - Climate Change 2020

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

As worldwide leader in the Media & Entertainment (“M&E”) sector, Technicolor operates in three leading operating businesses:

• in **Production Services**, Technicolor is a leading provider of services to content creators, including Visual Effects/Animation and video Post Production Services (“Production Services”); In 2019 : • Over 18,000 VFX shots for theatrical features • Over 3,200 VFX shots for TV/OTT content • Approximately 4,800 commercials • Over 100 theatrical features • Nearly 300 TV/OTT series, mini-series and/or pilots • 3,600 minutes of Animation for TV and film • 49,000+ CG assets for top-selling video games, TV series and films

• in **DVD Services**, Technicolor is the leader in replication, packaging and distribution of CD, DVD, Blu-rayTM discs and UHD (“DVD Services”); In 2019, total combined replication volumes reached 1,059 million discs. Operations are supported by approximately 1 million square feet of dedicated replication and distribution space, with unique capability for the timely delivery of discs to more than 40,000 locations.

•The **Connected Home** segment offers a complete portfolio of Broadband and Video Customer Premise Equipment (“CPE”) to Pay-TV operators and Network Service Providers (“NSPs”), including broadband modems and gateways, digital Set-Top Box, and Internet of Things (“IoT”) connected devices. Connected Home shipped a total of 35.4 million products in 2019, or more than 680,000 devices per week. By product category, video devices represented 55% of total volumes in 2019 (2018: 56%), while broadband devices represented 45% of total shipments (2018: 44%) of which 14.6% of total volumes from inhouse manfacturing plant in Manaus.

Enabling sustainable content distribution requires energy in all cases:

· Energy consumption based on the raw materials used within and by manufacturing and distribution operations of physical media;

· Energy consumption of products (set-top box, broadband, modems and gateways, connected devices) used for digital distribution and raw material of these products during production and the associated waste at end of life.

. Video content resolution increases regularly, leading to associated increases in the volume of data to deliver and the energy required to do it.

Innovation in electronic product design and in video technologies must support energy efficiency of set-top box together with improved video performances and resolution.

The improvement of physical distribution networks, of logistic resources, the reduction in volume of packaging, and improvements in recyclable waste must provide a reduction of the environmental footprint of physical media.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1 2019	December 31 2019	No	<Not Applicable>

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

Australia
Belgium
Brazil
Canada
China
France
India
Japan
Mexico
Poland
Republic of Korea
United Kingdom of Great Britain and Northern Ireland
United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

EUR

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Financial control

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Other, please specify (CEO)	Technicolor Chief Executive Officer is a member of the Board. A United Nations Global Compact signatory, Technicolor tracks and manages a wide range of environmental data at dozens of sites worldwide, including waste management (total waste generated, landfilled and recycled), energy consumption (electricity and fossil fuels), water consumption, air emissions (greenhouse gas emissions), and processing wastewater effluents. Technicolor Code of Ethics affirms Technicolor's commitment to protect the environment and acknowledges that Climate change remains one of the world's most pressing sustainability challenges . The Technicolor Corporate Environment, Health & Safety (EH&S) Charter, provides a global framework to manage and foresee environmental risks.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Sporadic - as important matters arise	Reviewing and guiding risk management policies Overseeing major capital expenditures, acquisitions and divestitures	<Not Applicable>	

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Other committee, please specify (The Executive Vice President Human Reources and Corporate Social Responsibility is a member of the executive committee) *The Executive Vice President Human Resources and Corporate Social Responsibility is a member of the Executive Committee. Is responsible for the publication of CSR data in the Group Annual Report which is annually shared with the Board in respect of the French law on mandatory disclosure of certain non financial elements including policies and progress in terms of adressing Climate Change, an obligation for French listed companies.*	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
Other, please specify (The Senior Vice President CSR and WW public affairs is a member of the Management Committee) *Reports to a member of Executive Committee, the Executive Vice President of Human Resources and Corporate Social Responsiblity. Is ultimately responsible for the publication of CSR data in the Group Annual Report which is annually shared with the Board in respect of the French law on mandatory disclosure of certain non financial elements including policies and progress in terms of adressing Climate Change, an obligation for French listed companies.*	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

The Vice President in charge of Public Affairs and Corporate Social Responsibility identifies emerging climate issues such as upcoming regulations likely to affect Technicolor businesses. In this role he ensures coordination between all internal stakeholders all of whom may have a part to play in delineating an effective climate strategy: Human Resources, Safety Health and Environment, Sourcing, Risk and Insurance, R&D, Real Estate, IT. This position reports to a member of the Executive Committee, the Executive Vice President Human Resources and Corporate Social Responsibility.

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity inventivized	Comment
Other, please specify (FM contractor)	Monetary reward	Energy reduction project	In some sites, by contract an energy consumption reduction target is determined, the FM supplier proposes an action plan and penalties are applied proportionately to the non attainment of pre-agreed targets.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	3	
Medium-term	3	5	
Long-term	5	10	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

The Group started evaluating its risks on a worldwide basis in 2005, with the Enterprise Risk Assessment (ERA) program. The risk management process evolved in 2010 to follow the strategic evolution of the Group. It is now under the Executive Committee responsibility using large support of the Management Committee and is called the Technicolor Risk Management (TRM).

The purpose of this annual four-step-process, supported by the Internal Audit Department, is to identify, assess, manage and monitor risks that may impact the Group's ability to achieve its near and long-term objectives.

The risk identification and analysis process consist of a top-down structured approach, summarized as follow:

• risk identification through a questionnaire completed by each member of the Executive Committee and the Management Committee and an individual interview led by the Internal Audit Department;

• synthesis of main risk areas;

• ranking of risks according to criteria in terms of potential impact and vulnerability, performed by Executive Committee and Management Committee members.

Every year, the Risk Mapping is reviewed and reassessed with any potential new risk. Consecutive to the risk ranking step, the CEO appoints risk owner(s) for

each of the top 10 risks among members of the Executive Committee or a direct report. These risk owners assess further the risk assigned to them, monitor and mitigate them. Status reports on each top risk are presented to the Audit Committee.

Identification of CSR challenges is based on the CSR requests from customers and rating agencies, on peer evaluation, and on internal analysis of

key levers to anticipate evolution of customers and markets and of regulations. The Group Materiality matrix can be found on page 148 of the Group Universal Registration Document identifying 6 macro risk areas, each with subtypes. The six macro risks themes are Human Capital, Human Rights and Working Conditions, Climate Change (energy efficiency of products, carbon emissions, renewable energy), Circular Economy (Sustainable water management, Environmental responsible procurement, raw material use and waste, Eco-design of products), Fairness of practices, Safety of customers and Protection of content.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered
Direct operations
Upstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
More than once a year

Time horizon(s) covered
Short-term
Medium-term

Description of process
One of the group strategy efficiency gains relates to real estate rationalization.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Compliance to legal requirements in Climate related regulation is critical. Technicolor operating on an international scale, and in different lines of business, these legal requirements are identified on a local and global basis. Relevant to Technicolor businesses, mandatory energy disclosures and audits, participation to local compensation schemes, country or regional product energy efficiency requirements, environmental compliance at industrial sites are example of the breadth of climate related legislation affecting the Group operations. Energy efficiency regulation is particularly critical for the Connected Home segment : As European Union regulations continue to evolve, Technicolor constantly tracks developments directly via Digital Europe, a European industry association, and other industry organizations. In this way, Technicolor contributes to preparatory studies that will feed into drafting of the Implementing Measures for the ErP framework directive and share its knowledge accordingly.
Emerging regulation	Relevant, always included	Climate change related regulations are increasing on a global scale and obligations tend to concern business of all scale including smaller businesses as thresholds tend to be lowered. It is therefore key to monitor emerging legislation at national and operational level. For the Connected Home Segment, participation to voluntary initiatives and associations allows the business to be a stakeholder framing upcoming legislation. Connected Home engineers have served on several international boards focusing on energy consumption standards, endeavoring to draw together the work carried out in this respect in Europe, the U.S., Canada and Australia. Within Digital Europe (DE) industry association, Technicolor participates actively to working groups related to energy efficiency in relation with Technicolor products. Externally, there has been an increased drive towards good practice through voluntary codes such as Voluntary Agreements for ongoing improvement to the energy efficiency of Set-Top Boxes and Small Network Equipment in the United States, Pay-TV Set-Top-Boxes Energy and Small Network Equipment Voluntary Agreements in Canada and the European Union's Code of Conduct (CoC) on the energy efficiency of Broadband Equipment (CoC BB) as well as the European Union's Industry Voluntary Agreement (VIA) on Complex Set-Top Box. In 2019, Technicolor has participated and contributed to the revision of CoC BB V7with the finalization and the publication of CoC BB V7. The VIA version 6 has been published inApril, 2018, including some non-energy requirements. In Australia, Technicolor is an Associate Member of the Subscription Television Industry Voluntary Code for improving the energy efficiency of conditional access Set-Top Box. In Canada, Technicolor is signatory of the Canadian Energy Efficiency Voluntary Agreement for Set-Top Box (CEEVA) and the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE).
Technology	Relevant, always included	Relevant for the Connected Home business : set top boxes, broadband and modems and gateways, connected devices need to comply with energy efficiency customer requirements, legislation or voluntary agreements. These have technological and life-cycle implications that need to be addressed through Technology advances. Relevant for the Production Services line of business : the Visual effects, and animation and games industry require computing power and robust data centers. Levers to minimize the impact of this line of business are software improvements and optimization, cloud computing efficiency gains, alongside improved non technological processes and protocols to control the need for computing power.
Legal	Not relevant, explanation provided	Technicolor does not operate energy intensive operations or water depleting activities, therefore the risk of climate-related litigation claims is not likely.
Market	Relevant, always included	Market demand for energy efficient products, logistics, applications, software, efficient operations, is critical for customer acquisition or retention.
Reputation	Relevant, always included	An element of customers acquisition and retention and to employees.
Acute physical	Relevant, sometimes included	Extreme weather event have occurred in the past affecting suppliers or industrial locations causing damages and business interruption. Technicolor sites have contingency plans in place to mitigate such events. Group insurers raise awareness and provide advice on a periodical or event related basis.
Chronic physical	Relevant, not included	Some Technicolor sites are based in areas affected by droughts and heatwaves which may cause harm to people and damage to facilities. Contingency plans are in place to mitigate risks.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Please select

Primary potential financial impact

Please select

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Extreme weather events damage facilities, potentially harm workers, disrupt operations and therefore negatively impact revenue and risk reputation and goodwill due to potential inability to meet commitments to customers. Prevention programs are developed and implemented where practical (such as for flood prevention or secondary source qualification for critical component suppliers located in potentially disrupted geographical areas). Business Continuity Plans are developed and implemented so that unplanned events can be dealt with safely, practically, and quickly (such as severe weather or forest fires damages to facilities).

Time horizon

Unknown

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure
It's not known or predictable because it is dependent on the facility affected and the current market climate and inventory

Cost of response to risk

Description of response and explanation of cost calculation

Comment
It is not a separable cost in an on-going sense, and any event-driven cost is highly variable.

Identifier
Risk 2

Where in the value chain does the risk driver occur?
Upstream

Risk type & Primary climate-related risk driver
Please select

Primary potential financial impact
Please select

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Extreme weather events may disrupt supply chain, interrupting operations and shipping/sales, and therefore negatively impact revenue and risk reputation and goodwill due to potential inability to meet commitments to customers while at the same time driving up costs of components and materials due to related market shortages.

Time horizon
Unknown

Likelihood
About as likely as not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

Primary potential financial impact
Please select

Company-specific description
Eco designing products means minimizing impacts on the environment and society. Eco design also has beneficial effects on Technicolor as well as in meeting our customers' requirements and needs and finally on consumers when using Connected Home devices. In order to accelerate Eco design deployment, make it visible internally and externally and gain experience before setting up a full eco design process, several eco design pilot projects were set up. On the medium term, regulatory requirements to optimize energy consumption at home may present an opportunity for delivering on-line services to monitor such energy consuming devices through the residential gateways Technicolor ships to network operators.

Time horizon
Short-term

Likelihood
More likely than not

Magnitude of impact
Unknown

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp2

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

Primary potential financial impact
Please select

Company-specific description
Technicolor is very active in the field of voluntary agreements, and already signed the European Code of Conduct on Energy Efficiency of Digital TV services, and the Code of Conduct on energy consumption of broadband equipment, published by the European Commission and communicated thereon. Technicolor was also actively engaged in elaborating the Industry Voluntary Agreement on the energy consumption of Complex Set-Top Boxes (self-regulation based on requirements outlined in the ErP directive) Technicolor also contributes to the preparatory studies, as well as Industry Guidance document, feeding into the regulation on networked equipment (also part of the ErP framework directive). Technicolor considers climate change challenges as a great opportunity for providing more energy-efficient, environmentally suitable products and services to our customers, this goal driving R&D efforts to put on the market products with a competitive edge.

Time horizon
Medium-term

Likelihood
More likely than not

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp3

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Other, please specify

Primary potential financial impact
Please select

Company-specific description
Technicolor operates in a worldwide market and thus has to deal with a wide variety of national and regional initiatives governing the environmental performance and risk management associated with its products. In particular, energy consumption which is the main significant environmental impact for Connected Home products remains a key priority across the industry and regions. Technicolor actively contributed to the revision of the 278/2009 regulation on External Power Supplies (EPS) by providing inputs to the EU commission, in particular via its membership of the Digital Europe organization of leading Digital Technology European companies. 2013 saw the finalization of the latest 801/2013 Networked (NW) standby regulations, (amendment to the 1275/2008 On/Off and Standby mode regulation). Technicolor has contributed to the development of NW standby guidelines, particularly in relation to Home Gateway (GW) and Complex STB (CSTB) products. In the Americas, in Australia, in Asia, in Africa, and in the same manner, Technicolor monitors and follows environmental regulations and standards. In the United States for example, Technicolor follows the Department of Energy regulation proposed amendment on external power supplies and rule-making initiatives on efficiency standards for Set-Top Boxes and Small Network Equipment. For a number of years now, most of Connected Home STB models marketed in U.S. have met the Energy-Star STB energy efficiency levels. In Australia, Technicolor is an Associate Member of the Subscription Television Industry Voluntary Code for improving the energy efficiency of conditional access set-top boxes. In Canada, Technicolor is signatory to the Canadian Pay-TV STB energy efficiency voluntary agreement.

Time horizon
Medium-term

Likelihood
More likely than not

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?
Yes

C3.1a

(C3.1a) Does your organization use climate-related scenario analysis to inform its strategy?
No, and we do not anticipate doing so in the next two years

C3.1c

(C3.1c) Why does your organization not use climate-related scenario analysis to inform its strategy?

While different scenarios are known and provide background reference, Technicolor's objectives are to dedicate resources to limit emissions in each of its business lines within the markets where the group operates and to limit risks associated with Climate Change anticipated disruptions.

C3.1d

(C3.1d) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	Eco-design and life-cycle analysis as well as energy efficiency analysis and improvement within Connected Home products are an integral part of product development
Supply chain and/or value chain	Yes	Climate related risks are taken into account to develop Business Continuity Plans and address resilience in the supply chain.
Investment in R&D	Yes	As indicated above (product) as well as in the area of data center sourcing and software development.
Operations	Yes	Consideration on climate risks drive infrastructure investments or choices in regions potentially affected by extreme weather events for example.

C3.1e

(C3.1e) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Please select	

C3.1f

(C3.1f) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?
Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number
Abs 1

Year target was set
2015

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 2 (location-based)

Base year
2015

Covered emissions in base year (metric tons CO2e)
140515

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2018

Targeted reduction from base year (%)

Covered emissions in target year (metric tons CO2e) [auto-calculated]
<Calculated field>

Covered emissions in reporting year (metric tons CO2e)

% of target achieved [auto-calculated]
<Not Applicable>

Target status in reporting year
Please select

Is this a science-based target?
No, and we do not anticipate setting one in the next 2 years

Please explain (including target coverage)
Initial target was to achieve 10% of electricity from renewable sources by end of 2015, moving from 7.2% in 2013 to 13.3% in 2015. This target was then replaced with a target to achieve 20% of electricity from renewable sources by end of 2018 which was met. In 2019, electricity from renewable sources had increased to 24%. A new target to achieve 30% of electricity from renewable sources was set to be reached by end 2021.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Target(s) to increase low-carbon energy consumption or production

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2019

Target coverage
Company-wide

Target type: absolute or intensity
Please select

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)
Percentage

Target denominator (intensity targets only)
<Not Applicable>

Base year
2018

Figure or percentage in base year
19

Target year
2021

Figure or percentage in target year
30

Figure or percentage in reporting year
24

% of target achieved [auto-calculated]
45.4545454545455

Target status in reporting year
Underway

Is this target part of an emissions target?
No

Is this target part of an overarching initiative?
Other, please specify

Please explain (including target coverage)
Technicolor has always measured environmental impact and sought to reduce it through monitoring programs and projects focused on its activities. As the industrial footprint of the Group continues to transform away for energy-intensive processes due to industry closures in glass, tubes, and motion picture film, and the non-industrial footprint continues to evolve and to grow in digital media and the cloud, the energy focus has evolved, resulting in a growing emphasis on increasing the proportion of renewable energy as a percentage of electricity consumed at all the Group sites.

Target reference number
Low 2

Year target was set

Target coverage
Please select

Target type: absolute or intensity
Absolute

Target type: energy carrier
Electricity

Target type: activity
Please select

Target type: energy source
Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)
Please select

Target denominator (intensity targets only)
<Not Applicable>

Base year

Figure or percentage in base year

Target year

Figure or percentage in target year

Figure or percentage in reporting year

% of target achieved [auto-calculated]
<Calculated field>

Target status in reporting year
Underway

Is this target part of an emissions target?

Is this target part of an overarching initiative?
Other, please specify

Please explain (including target coverage)
In Brazil, the Connected Homes manufacturing plant dedicated to the production of Set-Top Box for the Americas has a long-term plan to improve its carbon footprint, in part by increasing its proportion of energy from renewable sources. While some portion of electricity available on the market is from renewable sources, the site also installed solar panels, energy storage systems, and control systems sufficient to generate 10% of the electricity consumed by the site. This in addition to an active policy to offset other emissions through a reforestation scheme.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*		
Implementation commenced*		
Implemented*	9	
Not to be implemented		

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Energy efficiency in buildings	Heating, Ventilation and Air Conditioning (HVAC)

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
HVAC shut downs over holidays, Temperature set points permanently reviewed and adjusted for savings, optimization of time of use for air conditioners, turning system off one hour ahead of end of shifts, air conditioning filter replacement, installing EC fans in data centers, upgrading systems with invertor driven drives, BMS for A/C control, increasing temperature set in machine rooms by two degrees, verification of cooling beams... All these actions taken at both industrial and non industrial sites.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
Replacement of fluorescent lights with LED is being implemented at all sites year after year

Initiative category & Initiative type
Please select

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment

Initiative category & Initiative type

Waste reduction and material circularity	Product/component/material reuse

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 3

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
DVD manufacturing sites have an active reuse and recycling policy. Reuse of polycarbonate internally saves emissions from raw material manufacturing and shipping. DVD manufacturing packaging and distribution sites have implemented a variety of pallets recycling programs.

Initiative category & Initiative type

Company policy or behavioral change	Other, please specify (Reducing travel emissions)

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 3

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
Business travel had been reduced prior to Covid to meet essential needs thanks to video conferencing. Since Covid 19, teleworking or remote working at least part time has increased significantly where ever possible.

Initiative category & Initiative type

Company policy or behavioral change	Site consolidation/closure

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 1
Scope 2 (location-based)
Scope 3

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
The Group has an ongoing goal to rationalize its real estate. An example of this was the regrouping of employees from 3 different sites in the Paris France region into one single site between 2018 and 2019. Sites closures and restructuring are an ongoing process to adapt the real estate footprint closely to the business needs.

Initiative category & Initiative type

Low-carbon energy consumption	Solar PV

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Please select

Voluntary/Mandatory
Please select

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
The Connected Home assembly plant located in Manaus Brazil has installed solar panels to cover lighting needs of the facility as well as other initiatives contributing to limit site emissions : Over the past years, Technicolor's reforestation program in Manaus involved the planting of acai berry trees - renowned for their ability to absorb greenhouse gases - in deforested areas of the Amazon. In 2019, "Ipê purple" seedlings were planted in the "Tietê Reserve". In this way, program participants not only contribute to tackling deforestation which is responsible for 15% of the world's greenhouse gas emissions but also help raise the awareness of fellow employees and residents as regards the importance of preserving natural resources and how we all play an important part in the fight against global warming. The Manaus site is also harvesting rainwater and is sharing the part that it does not use with the community via redirection pipes the site paid for. An organic plant project is unfolding in parallel, featuring a composting plant, a nursery of fruit, vegetable and ornamental plants, a vegetable garden, all contributing to a decrease of carbon emissions generated by the activity (Manaus already compensates 100% of its emissions), while proposing a more favorable social environment for the employees.

Initiative category & Initiative type

Low-carbon energy consumption	Low-carbon electricity mix

Estimated annual CO2e savings (metric tonnes CO2e)
4885

Scope(s)
Scope 2 (location-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
A few Technicolor Production Services sites are sourcing 100% green electricity.

Initiative category & Initiative type

Other, please specify	Other, please specify (Recycling and reuse)

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 3

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
Beginning in 2016, as part of its reuse strategy, the Group began to recover used units from the American market in partnership with a major network provider capable of taking back product from individual consumers. Using its network of post-sales locations, Technicolor inspects, refurbishes, and requalifies the returned products whenever feasible, and then sells them as a clearly labeled refurbished product and at a reduced price. Since the program began in 2016 destruction and disposal of 2.9 million units as 4,200 tons of waste was avoided. At the same time, the need for an equivalent amount of raw materials and manufacturing effort required to produce new products for these markets was eliminated.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Dedicated budget for energy efficiency	Sites periodically perform energy audits or assessments or other assessments that create potential improvement projects, such as re-lamping with better performing lamps or adding motion sensors for lighting. These projects are assessed financially in terms of payback period and then implemented where beneficial.
Please select	

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?
Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.

Level of aggregation
Group of products

Description of product/Group of products
Connected Home products (set-top boxes, cable modems, etc.) are developed using eco-design and life-cycle analysis principles, and many of them subsequently qualify for various country-based energy qualifications. Technicolor began to implement Eco-design guidelines in 2008 and has long taken a positive stance towards environmental issues in the development, manufacture, use and ultimate disposal of its products. The Group is an active contributor to industry voluntary initiatives or codes of conduct, including the EU Codes of Conduct (CoC) on Energy Efficiency of Digital TV Service (DTV) and Energy Consumption of Broadband Equipment (BB), the EU Industry Voluntary Agreement (VIA) to improve energy consumption of Complex Set-Top Boxes (CSTB), and more recently the US Voluntary Agreements for Ongoing Improvement to the Energy Efficiency of Set-Top Boxes (STB), and for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE); In 2019, Technicolor signed the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE) to extend its existing energy saving iniatives to the Canadian market. In Europe, Company reporting for 2019 demonstrates that Technicolor achieved the power consumption targets respectively set by the Code of Conduct for Broadband Equipment, and the Voluntary Industry Agreement on Complex Set-Top Box. 2019 reporting demonstrated that: • 88% of Connected Home Set-Top Box units put on the market are compliant with the Voluntary Agreement, 100% of our Home Gateways new models introduced on the market for the first time are compliant with the on-state power target of the Code of Conduct for Broadband Equipment and 75% are compliant with the idle state power target. As it relates to electricity consumption during the use of Connected Home devices (set-top boxes and gateways) in their targeted markets during their estimated product lifetime of 5 years, the total impact of all Connected Home devices produced during 2019 is estimated to be an equivalent 1.07 million tons of CO2eq during each full year of product operation.

Are these low-carbon product(s) or do they enable avoided emissions?
Avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions
Please select

% revenue from low carbon product(s) in the reporting year

% of total portfolio value
<Not Applicable>

Asset classes/ product types
<Not Applicable>

Comment
Technicolor started to implement eco-design guidelines in 2008 and has long taken a positive stance towards environmental and efficiency issues in the development, manufacture, and use of its products. The Connected Home segment complies with all the laws, regulations and industry guidelines endorsed by Technicolor. These include the European Union Code of Conduct on Energy Efficiency of Digital TV Service and Energy Consumption of Broadband Equipment, the European Union's Industry Voluntary Agreement to improve energy consumption of Complex Set-Top Box (CSTB), the U.S. Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Set-Top Box (STB), the U.S. Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE), and the Canadian Pay-TV Set-Top Box Energy Efficiency Voluntary Agreement (STB CEEVA). In 2019, Technicolor decided to sign the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE) to extend its existing energy saving initiatives into the Canadian market. As it relates to Customer Premises Equipment (CPE), Technicolor was the first CPE vendor to sign the Code of Conduct for Broadband Equipment, putting itself in a leading role for low energy consumption residential gateways. By designing devices compliant with regulations as well as various Voluntary Agreements, Technicolor is committing to improve energy efficiency and to reduce the carbon footprint of Gateways and Set-Top Box. By anticipating the revision of Voluntary Agreement release and the elaboration of the European energy efficiency regulation, Technicolor acts for the improvement of energy efficiency of Gateways and Set-Top Box.

C5. Emissions methodology

C5.1

(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

Scope 1

Base year start
January 1 2012

Base year end
December 31 2012

Base year emissions (metric tons CO2e)
7646

Comment

Scope 2 (location-based)

Base year start
January 1 2012

Base year end
December 31 2012

Base year emissions (metric tons CO2e)
149198

Comment

Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
7846

Start date
<Not Applicable>

End date
<Not Applicable>

Comment
Upon evaluation of its operations, Technicolor determined the most significant but limited air emission contaminant resulting from the Group's operations (Scope 1) to be equivalent carbon dioxide (CO2eq) associated with on-site combustion of fuels for heating and cooling, back-up power generation, fire-suppression equipment, or other typical engine-driven equipment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report a Scope 2, market-based figure

Comment
Two brands operating in the Entertainment Services segment have a policy to move to green energy. One is actually purchasing electricity 100% from renewable sources and the other is working to the same goal. These two brands represent twelve sites altogether, none of these are industrial. In the Connected Home segment, the manufacturing site based in Manaus , Brazil, is producing some renewable energy from its in-house solar panel installation. Sites are beginning to be asked for their applicable market based carbon emission factors from their electricity suppliers but the first feedbacks in 2018 show a minority of sites are able to obtain it making a global market based scope 2 disclosure impossible at this point.

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
134064

Scope 2, market-based (if applicable)
<Not Applicable>

Start date
<Not Applicable>

End date
<Not Applicable>

Comment
Indirect emissions from consumption of electricity, steam, and chilled water (Scope 2) were 134,064 metric tons CO2eq and were estimated using the2018 International Energy Agency emissions factors

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?
Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source
Small offices are excluded from our response.

Relevance of Scope 1 emissions from this source
Emissions are not relevant

Relevance of location-based Scope 2 emissions from this source
Emissions are not relevant

Relevance of market-based Scope 2 emissions from this source (if applicable)
Emissions are not relevant

Explain why this source is excluded
The balance between the accessibility of the information and the reliability and materiality of the data is not favorable.

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, calculated

Metric tonnes CO2e
16340

Emissions calculation methodology
The complexity of the supply chain and the needs of Technicolor's diverse operations would make the calculation of an exhaustive footprint difficult and resource intensive. However, as Data Centers became gradually a more material issue, a fist estimate of their emissions footpring was made in 2019. Data centers supporting all businesses and functions within Technicolor, (principally attributable to Production Services but not only), were mapped, documented, and it is estimated that their impact was about 16,340 tons CO2eq.Which is the figure reported here.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
In the past, 2008, Technicolor carried out a global carbon footprint with the assistance of an external partner which included principal raw materials. Since then the group profile has changed markedly to a less carbon intensity profile , the global footprint survey was not renewed recently. However concern over the intensive use of data centers in particular for the Creative Services BU has triggered a first internal campaign to understand Data Center usage at Group level and a fist estimate of emissions from the use of Internal and External Data Centers was made in 2019. The estimate is mostly data-based, but with a cooling modifier and with cloud services based on cloud-provider data for renewable energy, split of costs between energy and other, and worldwide emissions factors and average per-kWh costs for all other calculation.

Capital goods

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Upstream transportation and distribution

Evaluation status
Relevant, calculated

Metric tonnes CO2e
38781

Emissions calculation methodology
Through dialogue with service providers, detailed files are exchanged with Downstream transportation and distribution partners and suppliers. For the Home Entertainment Services business data is processed internally to obtain emissions based on tonne-kilometer data and harmonized emission factors; for the Connected Home business a partnership in in place with French TK-Blue labelling and rating company which uses approved and transparent criteria to evaluate emissions.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
The figure reported here is the half of the upstream and downstream transportation emissions from the Group DVD and Connected Home businesses. The same amount is reported under section on "downstream transportation and distribution". Total value for both upstream and downstream emissions from transportation and distribution totaled 77 562 metric tonnes of CO2e, out of which 65 745 attributable to the DVD business, and 11 817 metric tonnes CO2e attributable to the Connected Home business.

Waste generated in operations

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
A company Carbon footprint was carried out in 2008 and emissions from waste were not material compared to other sources. Since the full carbon footpring was not renewed.

Business travel

Evaluation status
Relevant, calculated

Metric tonnes CO2e
28040

Emissions calculation methodology
Emissions are those that are most material and account for the greatest impact. Hence the emissions disclosed herein are only those from Air Travel calculated by the travel agency. Methodology is not disclosed.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
The Travel agency is capable of producing an annual report on CO2 emissions from Business Air Travel.

Employee commuting

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
While the group has not reproduced the attempt to quantify the impact of employee commuting, there are active policies to reduce identified impacts. Non industrial sites are often located in urban areas well served by public transportation. Some sites organize collective commutes or organize some individual commutes where routes are carefully planned to reduce impact. Many sites, either through voluntary commitments or for legal compliance have organized electric vehicles charging areas on their parking lots, or are buying offset credits.

Upstream leased assets

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Emissions from the operation and heating of facilites used by the site (idustrial and non-industrial sites) are covered in Scope 1 and 2 emissions

Downstream transportation and distribution

Evaluation status
Relevant, calculated

Metric tonnes CO2e
38781

Emissions calculation methodology
Through dialogue with service providers, detailed files are exchanged with Downstream transportation and distribution partners and suppliers; For the Home Entertainment Services business data is processed internally to obtain emissions based on tonne-kilometer data and harmonized emission factors; for the Connected Home business a partnership in in place with French TK-Blue labelling and rating company which uses approved and transparent criteria to evaluate emissions.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
The figure reported here is the half of the upstream and downstream transportation emissions from the Group DVD and Connected Home businesses. The same amount is reported under section on "upstream transportation and distribution". Total value for both upstream and downstream emissions from transportation and distribution totaled 77 562 metric tonnes of CO2e, out of which 65 745 attributable to the DVD business, and 11 817 metric tonnes CO2e attributable to the Connected Home business.

Processing of sold products

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Not applicable to the Group operating businesses. The group does not sell intermediate products that need to be processed by third parties.

Use of sold products

Evaluation status
Relevant, calculated

Metric tonnes CO2e
1070000

Emissions calculation methodology
The total impact of all Connected Home devices produced during 2019 is estimated to be an equivalent 1.07 million tons of CO2eq during each full year of product operation (within an estimated lifetime cycle of five years) . The assumed product operation that may be controlled in part by the network operator and the consumer, includes active hours during use, standby hours when not actively in use, and switched-off hours, aligned primarily with the customer habits for using their television at home. For any individual piece of equipment, the true equivalent emission will depend on the country and region of operation as emission factors vary significantly depending on electricity generation methods and sources in each country;

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
The estimate is carried out in house based by experienced professionals, specialists in eco-design tools and methodology.

End of life treatment of sold products

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Downstream leased assets

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Franchises

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Technicolor does not operate via franchises

Investments

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Other (upstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Other (downstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure
0.00003744

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
141910

Metric denominator
unit total revenue

Metric denominator: Unit total
3800000000

Scope 2 figure used
Location-based

% change from previous year
19

Direction of change
Decreased

Reason for change
Between 2018 and 2019 scope 1+2 emissions decreased by 23% while in the meantime revenue decreased by 5%

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
No

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
Americas	6744
Europe	1093
Asia Pacific (or JAPA)	9

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By business division

C7.3a

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

Business division	Scope 1 emissions (metric ton CO2e)
Entertainment Services	7754
Connected Home	80
Corporate and Other	12

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
Australia	7149			
Belgium	140			
Brazil	147			
Canada	3672			
China	785			
France	195			
India	10561			
Mexico	45238			
Poland	20103			
United Kingdom of Great Britain and Northern Ireland	2692			
United States of America	46169			
Japan	107			
Other, please specify (South Korea)	37			

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By business division

C7.6a

(C7.6a) Break down your total gross global Scope 2 emissions by business division.

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Entertainment Services	129264	
Connected Home	3745	
Corporate and Other	188	

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Decreased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable>		
Other emissions reduction activities		<Not Applicable>		While there were many projects at site level to keep energy consumption down, the result of these individual projects is not estimated.
Divestment	9544	Decreased	5.3	Six sites were closed between 2018 and 2019. Their total Scope 1 and Scope 2 emissions in 2018 were 9544 metric tonnes CO2e. Total Scope 1 and 2 emissions were 181474 in 2018. Following CDP guidance 5,3 percent is 9544/181474*100
Acquisitions	678.48	Increased	0.4	Three sites were opened in 2019 which represented SC1&2 emissions of 679 tonnes of CO2e; 0,4 percent is 679/181474*100
Mergers		<Not Applicable>		not relevant
Change in output		<Not Applicable>		For the DVD manufacturing plants, Scope one and two variations reflect part the change of output. For the Connected Home business, change of output would be reflected mainly in scope 3 emissions .
Change in methodology		<Not Applicable>		In 2019 Scope 2 emissions were calculated using the most recent EIA Emissions factors 2019 workbook versus GHG protocol scope 2 estimating tool for previous years.
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		Climate changes year to year do affect results but we do not quantify the way colder than usual hotter than usual affect our emissions.
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Location-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

Don't know

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	Please select
Consumption of purchased or acquired steam	Yes
Consumption of purchased or acquired cooling	Yes
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)	0		145286
Consumption of purchased or acquired electricity	<Not Applicable>			298033
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>			4710
Consumption of purchased or acquired cooling	<Not Applicable>			596
Consumption of self-generated non-fuel renewable energy	<Not Applicable>		<Not Applicable>	
Total energy consumption	<Not Applicable>			448625

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	No
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Fuels (excluding feedstocks)
Natural Gas

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
35565

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
56.06

Unit
kg CO2 per GJ

Emissions factor source
IPPC 2006

Comment

Fuels (excluding feedstocks)
Fuel Oil Number 2

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
228

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
74.01

Unit
kg CO2e per GJ

Emissions factor source
IPCC 2006

Comment

Fuels (excluding feedstocks)
Fuel Oil Number 5

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
1300

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
77.3

Unit
kg CO2 per GJ

Emissions factor source
IPCC 2006

Comment

Fuels (excluding feedstocks)
Liquefied Petroleum Gas (LPG)

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
1082

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
63.2

Unit
kg CO2 per GJ

Emissions factor source
IPCC 2006

Comment

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity				
Heat				
Steam				
Cooling				

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
20200420 - URD TECHNICOLOR ENGLISH.pdf

Page/ section reference
Pages 190-192

Relevant standard
ISAE3000

Proportion of reported emissions verified (%)
100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach
Scope 2 location-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
20200420 - URD TECHNICOLOR ENGLISH.pdf

Page/ section reference
190-192

Relevant standard
ISAE3000

Proportion of reported emissions verified (%)
100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category
Scope 3: Upstream transportation and distribution

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement

Page/section reference
As above

Relevant standard
ISAE3000

Proportion of reported emissions verified (%)

Scope 3 category
Scope 3: Downstream transportation and distribution

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement

Page/section reference
as above

Relevant standard
ISAE3000

Proportion of reported emissions verified (%)

Scope 3 category
Scope 3: Use of sold products

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement

Page/section reference
as above

Relevant standard
Please select

Proportion of reported emissions verified (%)

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
No, we do not verify any other climate-related information reported in our CDP disclosure

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?
No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

Yes

C11.2a

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Credit origination or credit purchase

Credit purchase

Project type

Forests

Project identification

Technicolor Brazilian Manaus industrial facility carried out the NEUTRALIZATION OF THE EMISSION OF GASES OF THE GREENHOUSE EFFECT relative to the year 2019 with the planting of 6,280 (six thousand, two hundred and eighty) “Ipê purple” seedlings in the “Tietê Reserve”. The plant actually compensated more than its Scope 1,2,3, 2019 emissions.

Verified to which standard

Other, please specify (IBDN (instituto brasileiro de defesa da natureza))

Number of credits (metric tonnes CO2e)

6280

Number of credits (metric tonnes CO2e): Risk adjusted volume

Credits cancelled

Please select

Purpose, e.g. compliance

Voluntary Offsetting

C11.3

(C11.3) Does your organization use an internal price on carbon?

No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

Yes, our customers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement
Information collection (understanding supplier behavior)

Details of engagement
Collect climate change and carbon information at least annually from suppliers

% of suppliers by number

% total procurement spend (direct and indirect)

% of supplier-related Scope 3 emissions as reported in C6.5

Rationale for the coverage of your engagement
Customers increasingly require Technicolor to share data, as well as elements of Group CSR policies and initiatives including how the group is addressing relevant climate change related issues. Technicolor, through its annual institutional reports, and by answering yearly to t he CDP Climate Change questionnaire and platform, shares data, and information on these issues. Technicolor Suppliers, in particular those involved in upstream and downstream transportation and distribution are invited to provide Technicolor or third party TKblue company, detailed raw data and information about tonnes kilometers shipped to consolidate scope 3 emissions.

Impact of engagement, including measures of success
Reinforced dialogue around Climate change topics in particular around the themes of transportation and logistics, data centers use, product use, in the best interest of all along the value chain .

Comment
Accrued knowledge of climate impacts associated with transportation and logistics, data centers use, product use, to optimize processes and select best options in the best interest of all along the value chain .

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement
Collaboration & innovation

Details of engagement
Other, please specify

% of customers by number

% of customer - related Scope 3 emissions as reported in C6.5

Portfolio coverage (total or outstanding)
<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement
Technicolor endeavors to meet customer needs by proposing best options in all aspects, in particular bringing expertise in all aspects where there are opportunities to reduce carbon emissions.

Impact of engagement, including measures of success

C12.3

(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?
Trade associations
Funding research organizations

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?
Yes

C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

Trade association
ETSI is a not-for-profit body officially recognized by the EU as a European Standards Setting organization, with more than 800 member organisations.

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
Focused on the ICT sector, ETSI's sustainability position is focused on reducing consumption (lower power, better power management) and reduced environmental impact (less consumption, longer life, more re-use, more recycling), all of which align with Technicolor's own interests and policies.

How have you influenced, or are you attempting to influence their position?
Technicolor participates in working groups to develop industry standards

---

Trade association
Digital Video Broadcasting Group https://www.dvb.org/ https://www.dvb.org/resources/public/whitepapers/cm1621r1_sb2333r1_long-term-vision-for-terrestrial-broadcast.pdf

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association's position
DVBG's sustainability position is focused on reducing consumption (lower power, better power management) and reduced environmental impact (less consumption, longer life, more re-use, more recycling), all of which align with Technicolor's own interests and policies. The DVBG scope overlap with Technicolor is related to broadcast video technology.

How have you influenced, or are you attempting to influence their position?
Technicolor participates in working groups to develop industry standards

---

C12.3d

(C12.3d) Do you publicly disclose a list of all research organizations that you fund?
No

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Technicolor engages with a number of trade associates and research groups with which Technicolor has signification participation. Within these entities, Technicolor includes focus on eco-design and energy efficiency.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication
In mainstream reports

Status
Complete

Attach the document
20200420 - URD TECHNICOLOR ENGLISH.pdf

Page/Section reference
171 to 175

Content elements
Strategy
Emissions figures
Other metrics

Comment

Publication
In voluntary sustainability report

Status
Underway – previous year attached

Attach the document
Technicolor 2018 Sustainability Communication.pdf

Page/Section reference
50-56

Content elements
Strategy
Emissions figures
Other metrics

Comment

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.
20200420 - URD TECHNICOLOR ENGLISH.pdf

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	VP Environment Health and Safety	Environmental, health and safety manager

SC. Supply chain module

SC0.0