

Service Definition

G-Cloud 15 – Lot 2b
Cloud Software

D&B SHIPPING INSIGHTS & SUPPLY
CHAIN MAPPING

D&B Data Cloud & Batch
Solutions

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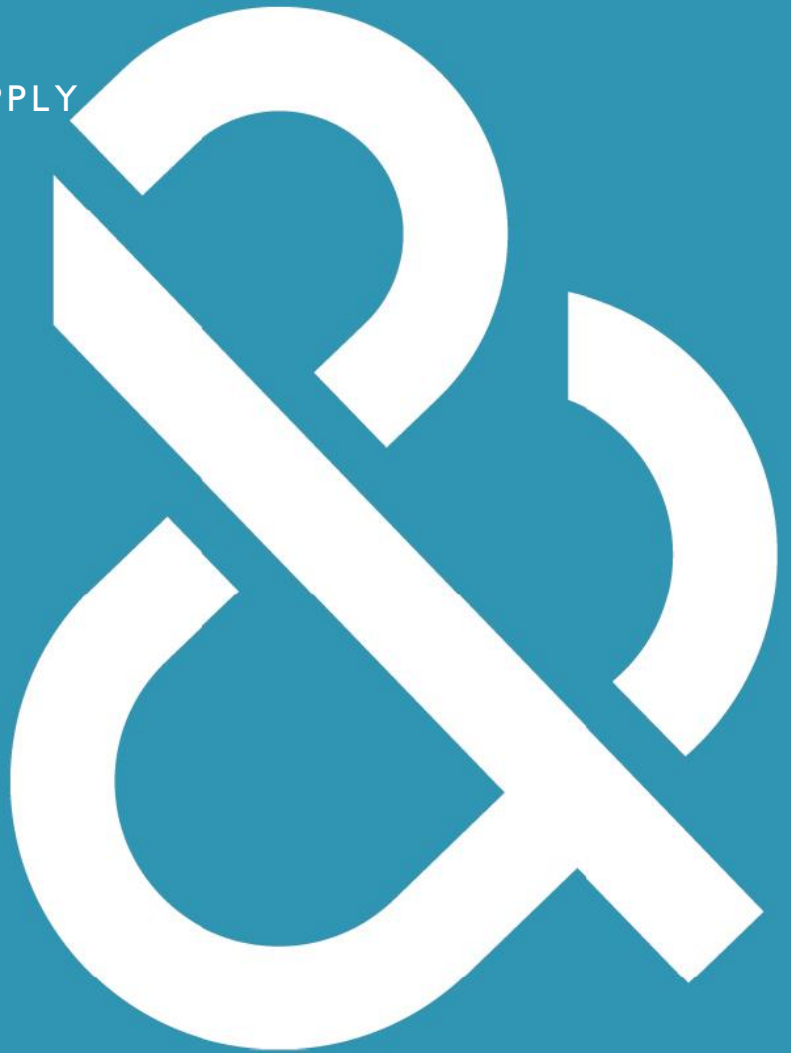


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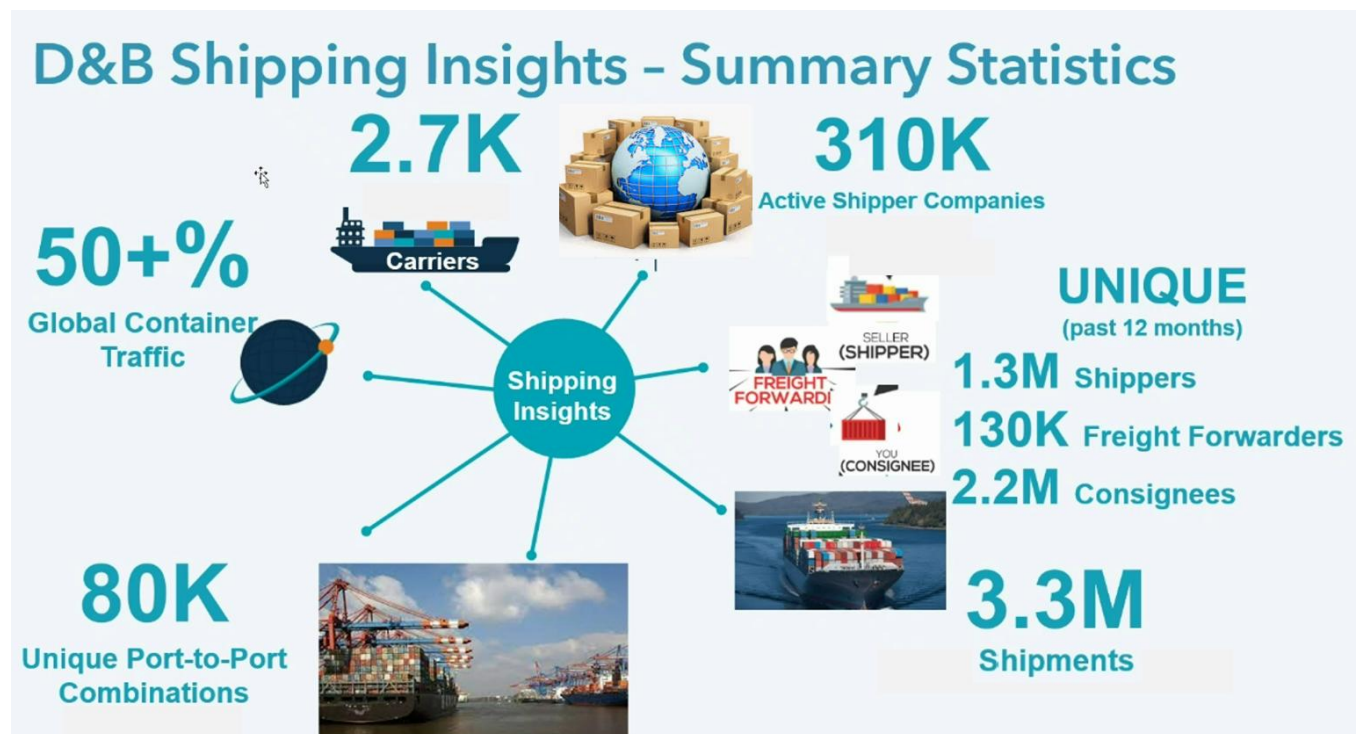
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PRODUCT OVERVIEW

D&B DATA CLOUD AND BATCH SOLUTIONS – SHIPPING DATA

D&B Data Cloud houses the Dun & Bradstreet global commercial database with more than 620 million companies worldwide, across 220 markets with 30,000 global data sources updated 5 million times per day, including: 3,000,000 corporate family trees, over 1B trade experiences, banking data, firmographics, social signals, business registrations, credit scores and ratings. The Shipping Insights file includes data across over 310k active shippers. Summary statistics are shown below in Diagram 1.

Diagram 1.



The D&B Data Cloud provides a global commercial database, supporting the increasing demand for supply chains to be mapped. The D&B Shipping insights support supply chain mapping, then the full suite of risk scores and ratings can be utilised across the wider supply chain to manage risk and find alternative suppliers.

SUPPLY CHAIN RESILIENCE

UNMASKING SUPPLY CHAINS

Data and shipping logistics can play a crucial role in addressing supply chain concerns such as supply chain risks, modern slavery, environmental impacts, human rights violations, and protecting ecosystems. The Dun & Bradstreet data cloud of over 620m business records is used to connect datapoints from shipping logistics. These connections provide traceability and transparency, allowing businesses and governments to map supply chains, from purchase to receipt.

This helps in identifying the key players and pinpointing areas where concerns may arise, and with the use of Harmonised Shipping Codes, the goods in the container can be exposed, including ports on route to final destinations.

SUPPLY CHAIN RESILIENCE – HOW IT WORKS

How it works:

As an example, we have used an agri food use case, utilising standard industry classification codes to isolate businesses that are in food production. This data is selected from the Dun & Bradstreet data cloud across a selection of countries for demonstration purposes only. In a live study this would be dictated by the input data i.e., the countries where the Tier 1 suppliers are located.

These companies all have the unique identifier, the Live Business Identity, it starts with the **Dun & Bradstreet D-U-N-S® Number**, and although companies do not have fingerprints, it could be considered a corporate fingerprint identifying connections between entities (hierarchies and linkages). Predictive and prescriptive scores and indicators – derived from analytics - firmographics and other attributes about a business also help make up Live Business Identity.

This is critical for the Supply Chain Resilience solution, as it allows Dun & Bradstreet to connect, all the parties involved in the shipment:

Shipper DUNS Number
Shipper Company Name
Consignee DUNS Number
Consignee Company Name
Requester DUNS Number
Requester Company Name
Forwarder DUNS Number
Forwarder Company Name
Notify Party DUNS Number
Notify Party Company Name

Just as personal identities can change over time, Live Business Identity is continually updated.

Live Business IDENTITY

✓ Derived from Data Cloud

✓ Comprehensive & continuously updated view of business entities



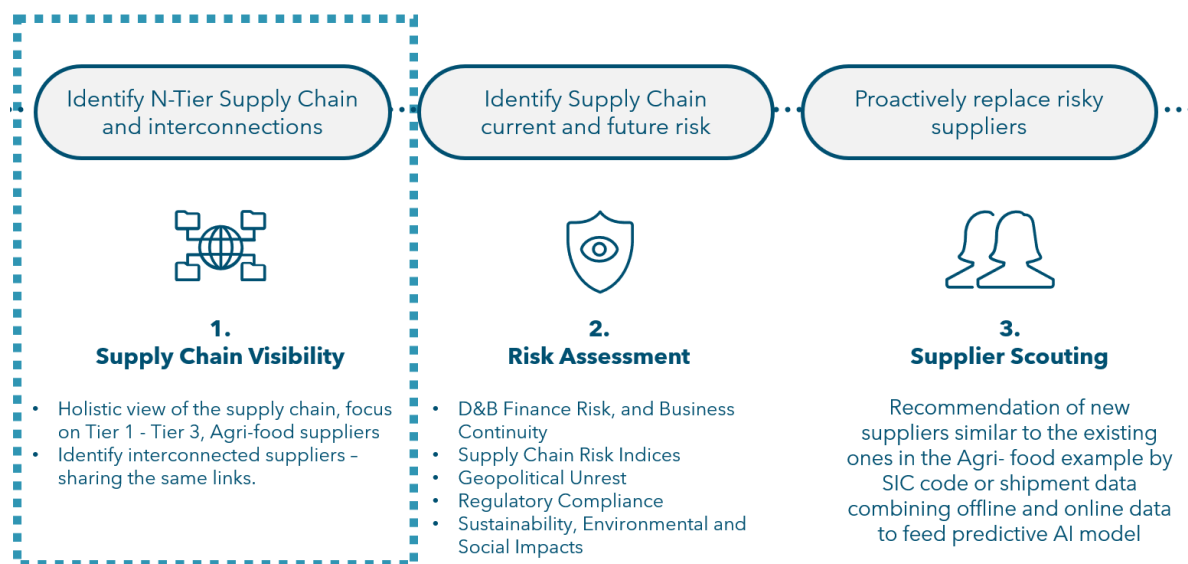
DUN & BRADSTREET D-U-N-S NUMBER

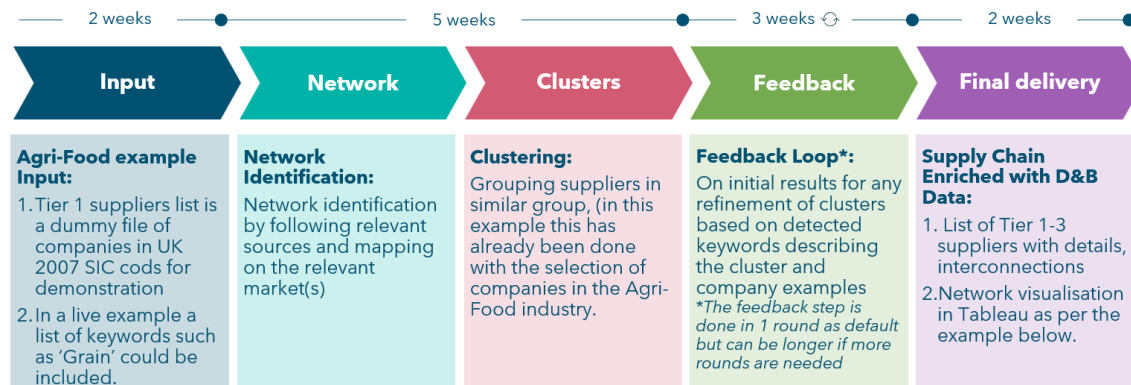
PLUS:

- Identity Resolution
- Hierarchy & Linkage
- Analytically Derived Attributes
- Continuous Business Activity Monitoring

What Does it look like?

Going back to our example, the sample data was run through the Dun & Bradstreet Supply Chain Resilience solution. This typically works in the following steps:





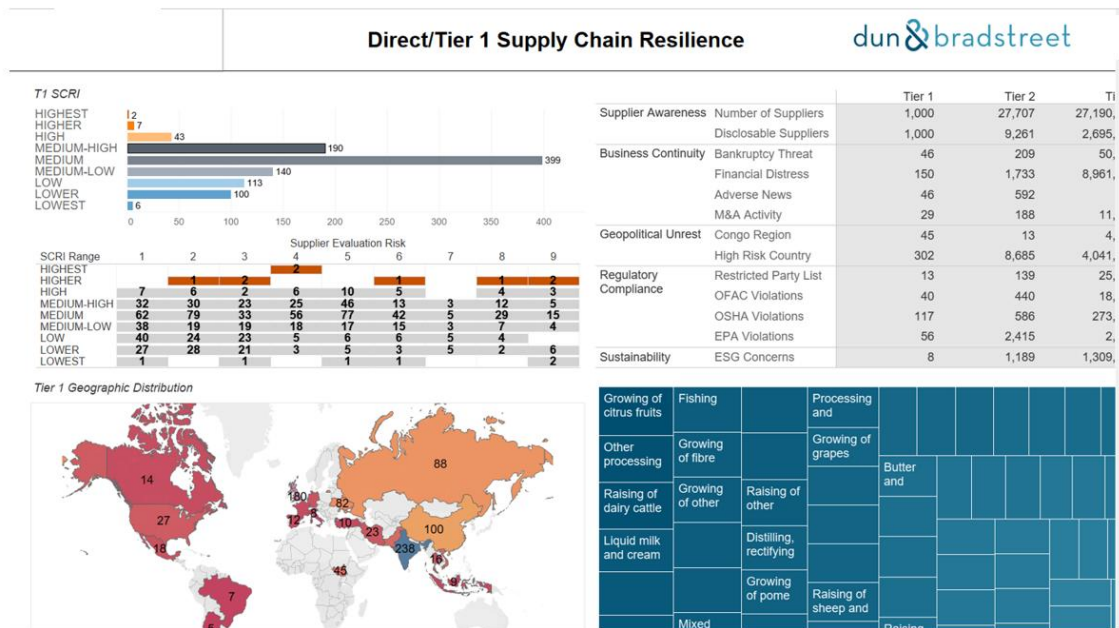
Results

Using our dummy data to illustrate, the results can be seen below using our top-level dashboard view – *NB the country colour coding is only for geographical distribution and as the data set is limited to 15 countries not all are colour coded:*

The top box TI SCRI – is a Composite risk. This is created from proprietary risk scores developed for the many supply chain risk scenarios.

The table to the right shows the total supply chain mapped, including disclosable suppliers who are sub-tier suppliers identified by public sources of data that include the Dun & Bradstreet Shipping Insights, Companies House data, and scrapping of websites.

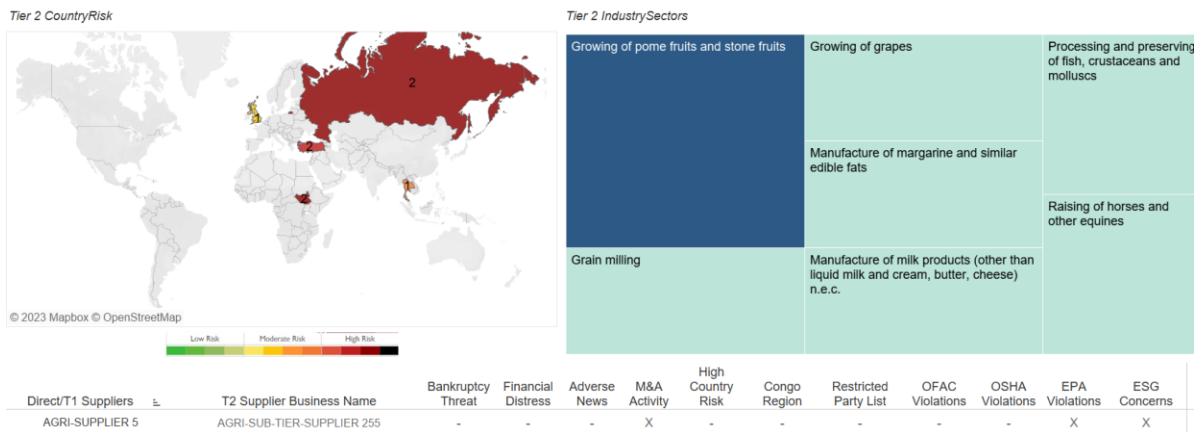
The additional headings in the table highlight some of the risks in set categories, e.g., Business Continuity. The box plot shows the prevalent types of Agri-Food production.



To drill down to a supplier level view – taking example Supplier 5, you can then view where the risks lie:

5
238
5
25

Direct/Tier 1 Suppliers				
Direct/T1 Suppliers	T1 Country Name	Industry	SCRI Range	Supplier Evaluation Risk
AGRI-SUPPLIER 1	CHINA	Manufacture of rusks and biscuits; manufacture o...	HIGH	
AGRI-SUPPLIER 2	CHINA	Production of meat and poultry meat products	MEDIUM	2
AGRI-SUPPLIER 3	CHINA	Raising of sheep and goats	HIGH	5
AGRI-SUPPLIER 4	CHINA	Marine fishing	MEDIUM	4
AGRI-SUPPLIER 5	CHINA	Manufacture of margarine and similar edible fats	MEDIUM	5
AGRI-SUPPLIER 6	CHINA	Manufacture of prepared meals and dishes	MEDIUM	2
AGRI-SUPPLIER 7	CHINA	Processing and preserving of potatoes	MEDIUM	1
AGRI-SUPPLIER 8	CHINA	Liquid milk and cream production	MEDIUM	2
AGRI-SUPPLIER 9	CHINA	Processing and preserving of meat	MEDIUM-HIGH	3
AGRI-SUPPLIER 10	CHINA	Manufacture of malt	MEDIUM-HIGH	2
AGRI-SUPPLIER 11	CHINA	Manufacture of prepared pet foods	MEDIUM	
AGRI-SUPPLIER 12	CHINA	Liquid milk and cream production	MEDIUM	4
AGRI-SUPPLIER 13	CHINA	Raising of poultry	MEDIUM	
AGRI-SUPPLIER 14	CHINA	Growing of citrus fruits	MEDIUM-HIGH	1
AGRI-SUPPLIER 15	CHINA	Raising of horses and other equines	MEDIUM-HIGH	
AGRI-SUPPLIER 16	CHINA	Growing of tobacco	MEDIUM	1
AGRI-SUPPLIER 17	CHINA	Manufacture of rusks and biscuits; manufacture o...	MEDIUM	2



In this example it is around Merger and Acquisitions, EPA (US Environmental Protection Agency) violation, along with environmental, social and governance (ESG) Concerns.

The above images are purely for illustration, as it is important to bring data to life, however, making this actionable at scale is really where the solution comes into its own. Once the supply chain is mapped it can be monitored for ongoing risk and risk mitigation as the macro and micro economic climate changes.



THE IMPORTANCE OF THE SHIPPING DATA IS THE ABILITY TO MAKE THE CONNECTIONS

TRANSPORT TO THE CUSTOMER

Dun & Bradstreet data via an API integration can also support deeper insight as pre and post Track and Trace Data – this allows for shipments to be monitored, including pre-booking details on the movement of goods from the time a container enters the Port of Departure, through to the time the container leaves the Port of Destination. This includes trans-shipments that may or may not have been part of the original shipping instructions, highlighting potential risk.



The data includes the identification of the businesses involved, their directors and ultimate beneficial owners. In fact, due to sanctions many public sector and private businesses have added screening to their supply chain management as part of the due diligence process.

Due Diligence Automation – provision of alternate suppliers



The due diligence process can be automated, with acceptable levels of risk not requiring manual intervention but those highlighted for review are intercepted. Alternate suppliers where risks are more acceptable can also be provided from the Dun & Bradstreet data cloud.

FEATURES AND BENEFITS

FEATURES

- Global Shipping Data from over 2.7k carriers and 310k shipper companies
- Including DUNS numbers to enrich data for relevant use cases
- Map supply chains and understand wider risks
- Standardised presentation of vessel movements regardless of countries
- Bi-directional awareness across historically invisible shipping lanes
- API or batch access to over 50% of global shipping container traffic
- Including full business family trees, and ultimate beneficial ownership, (UBO)
- Identifying supply chain, environmental, governance and social risk
- Track and evaluate specific supply chain issues for select suppliers
- Identify delays in services or reputational incidents

BENEFITS

- Batch access to global shipping data for supply chain management
- Global coverage is growing daily across the D&B universe
- Deep coverage at granular levels allows tracking and reporting
- Data on specific Harmonised Shipping codes
- Supports supply chain management and risk identification
- Accelerating your supplier and supply chain due diligence
- Provides global data for business process innovation and regulation
- Identifying interconnected suppliers where previously unseen
- Compatible for risk management and supply chain use cases
- A project based approach including network identification, cleaning and enrichment

TECHNICAL REQUIREMENTS

Buyers need access to the internet, for data transfers e.g., supported browsers

- Microsoft Edge
- Firefox
- Chrome
- Safari 9+

THE LEVELS OF DATA BACKUP AND RESTORE, AND DISASTER RECOVERY

Through continual assessments, D&B identifies potential threats and their impacts to the business, then develop plans for mitigation. Dun & Bradstreet has an established business continuity policy and program that creates actionable solutions with a focus on continuous improvement and business resiliency. Our business continuity and disaster recovery strategies and plans are developed to address events such as natural disasters (earthquakes, hurricanes, pandemics, etc.) and manmade disasters (political unrest, terrorism, etc.). Our plans follow industry best practices such as the Disaster Recovery Institute International and Business Continuity Institute guidelines and materially align to industry standards.

ONBOARDING AND IMPLEMENTATION

Onboarding and implementation are both simple, once a G-Cloud call-off contract is signed, upon the contract commencement date a User ID will be sent to the principal admin user for access to the solution with links to the D&B Online Learning Centre (see also “After sales support”). The admin user can then set-up and control all other users.

In terms of offboarding at the end-of-contract, the User's credentials are expired and all access to the product is withdrawn.

SERVICE LEVELS

D&B strives to provide System Availability of 99% 24*7.

“Service Availability” means the availability of D&B services (not including any batch delivery) for access and use by customer over the internet, as a percentage of time in the applicable measurement period by subtracting aggregate downtime for the quarterly interval from the basis period and expressing the result as a percentage of the total basis period (i.e., availability % = ((basis period – aggregate downtime) / basis period) x 100). This availability % excludes unavailability that is due, in whole or in part, to any: (a) delay or failure of performance caused in whole or in part by customer's delay in performing, or failure to perform, any of its obligations under the customer's agreement; (b) customer's internet connectivity; (c) force majeure event; (d) failure, interruption, outage or other problem with any software, hardware, system, network, facility or other matter not supplied by D&B pursuant to this agreement; or (e) scheduled maintenance, which D&B will strive to provide advance notice to customers of.

ACCREDITATIONS

Established programme of 'Currency to do Business' to 'Establish Trust & Confidence' with our customers

This includes:

- ISO 27001 Certification
- ISO 27701 Certification
- ISO 14001 Certification
- Cyber Essentials Certification
- FCA Compliance
- Approved HELLIOS supplier
- Accredited supplier for Financial Services Qualification Scheme
- Accredited supplier for Aerospace, Defence, & Security Sector (JOSCAR)
- Full compliance with GDPR regulations
- Designated Credit Reference Agency

PRICING OVERVIEW

For full details of pricing, please see the separate pricing guide.

THE ORDERING AND INVOICING PROCESS

Once an order is signed User ID access and links to the D&B online Learning Centre will be issued, and an invoice will be raised, payments in advance, standard terms are 30 days payable after invoice.

HOW BUYERS OR SUPPLIERS CAN TERMINATE A CONTRACT

The notice period needed for Ending the Call-Off Contract is at least ninety (90) Working Days from the date of written notice for undisputed sums or at least thirty (30) days from the date of written notice for Ending without cause.

TRAINING

The D&B online Learning Centre helps customers save time and get the maximum benefits from the D&B solutions using <https://europeancommunity.dnb.com/>

- Customers can choose how they learn based on their preferences.
- Live, regular interactive online courses
- On-demand video tutorials
- Download 'How to' user guides (PDF)
- Detailed product information
- Industry best practices
- View training progress through Learner Dashboards

D&B can host onsite training sessions when required as well as web based/virtual training sessions.

AFTERSALES SUPPORT

The D&B relationship manager and solution consultant will respond to any contractual and initial set up questions.

In conjunction the D&B Customer Service Team are a knowledgeable team of analysts who provide a helpful and professional service throughout the contract period. The team is available from 8.30-5.30, Monday through to Friday, and operates as multi-channel, allowing customers to get the answers as required:

Self-serve Knowledge Hub <https://europeancommunity.dnb.com/>

- Online Chat -which can be accessed from our products or our website <https://www.dnb.co.uk/>
- Telephone: 0845 145 1700

ETHICAL STANDARDS

Dun & Bradstreet take its responsibilities to its clients, suppliers, and the wider community extremely seriously. We aim to lead when it comes to being an ethical company and we are extremely proud that we have been voted as one of the most ethical companies by The Ethisphere Institute. We have also received a 100% score on the Human Rights Campaign Corporate Equality Index.

Our international locations achieved certification in Corporate Ethical Procurement and Supply from the Chartered Institute of Procurement and Supply (CIPS), reinforcing our commitment to third-party compliance and ethical procurement practices. This commitment to doing the right thing by our team is one of the many reasons that Dun & Bradstreet continues to be named amongst the best workplaces in multiple regions where we operate.

For a business to be selected as one of the world's most ethical companies, it must go above and beyond – not only promoting ethical business standards internally, but also exceeding minimum standards for legal compliance, and shaping future industry standards to introduce new best practices.

PRIVACY AND SECURITY

The Dun & Bradstreet Data Cloud provides insights on hundreds of millions of businesses. Some of the information in the Data Cloud may be classified as personal information under various laws such as information relating to an individual (e.g., a sole trader, a partnership, a company director, a beneficial owner, a trustee, a professional contact.) Data privacy information is available on the DNB.co.uk website or can be provided on request.

This privacy notice explains how we collect, share, and protect business information.

Maintaining the security and privacy of our clients' confidential data is one of our highest priorities. The security notice is also on the website and can be viewed or provided on request.

CODE OF CONDUCT- COMPLIANCE

Dun & Bradstreet maintains a Compliance Hotline and web-based reporting tools which are run by an independent company and are available 24/7, 365 days a year. If a team member chooses, they may remain completely anonymous when reporting any concerns or issues.

DO-GOOD

Through our Do-Good program, we support our employees in giving to the causes that mean the most to them by providing paid time off to volunteer and donation matching. Our annual Do-Good Week embodies our commitment to serve our communities. During this company-wide campaign, we join together to give our time and talents to charitable organisation where we live and work.

OUR COMMITMENT TO SUSTAINABLE OPERATIONS

Dun & Bradstreet uses its data and analytics to help companies grow their business and become better global corporate citizens. Our ideal is to create a triple bottom line – one in which our data and people are driving positive change across the globe for the planet, its people, as well as financial success.

These Guiding Principles demonstrate D&B's commitment to expand the influence of our business while responsibly mitigating our consumption and the impacts of our global operations. Looking to be a steward of the global environment and actively shape sustainable futures in the communities where we work and live:

- Engage with suppliers and vendors that use progressive and environmentally friendly products, materials, and technology to advance sustainability across the organisation.
- Adopt internal policies and best practices that – when combined with technology – enhance our energy efficiency and management, and resource conservation efforts.
- Create healthy workplaces that embrace published sustainability guidelines and promote recycling and responsible consumption.
- Foster a global workforce aligned with our corporate sustainability efforts and engaged in environmental projects and issues in their local areas.
- Comply with all applicable environmental laws and regulations wherever we do business.
- Set and monitor the progress of the company's sustainability efforts through the collection of key data and establishment of corporate objectives.
- Communicate with employees, customers, partners, suppliers, vendors, and environment focused organisation on the progress of our sustainability efforts and encourage their feedback.
- Continually explore new opportunities to save energy, water, and resources; generate less waste; and consume fewer natural resources.

ABOUT US

Dun & Bradstreet (D&B), is a global provider of business decisioning data and analytics, enabling companies around the world to improve their business performance. Dun & Bradstreet's Data Cloud fuels solutions and delivers insights that empower customers to accelerate revenue, lower cost, mitigate risk, and transform their businesses. Since 1841, governments and companies of every size have relied on Dun & Bradstreet to help them manage risk and reveal opportunity.

The Dun & Bradstreet Data Cloud delivers comprehensive business data and analytical insights: comprising over 620 million business records, curated from tens of thousands of sources, 10's millions of web sites and 375 million data elements monitored and updated each day.

Holding information on companies in over 200 countries, over the last two decades, D&B has created the largest partnership network in the industry - a truly global organisation, a top-tier technology infrastructure and a single, global quality process (DUNSRight™) to ensure our customers can enjoy the best quality of content, tools, and service around the world. The starting point of Live Business identity is the Dun & Bradstreet DUNS Number, a proprietary, unique 9-digit identifier for businesses that allows the tracking of a business and its related connections throughout the full lifecycle of that business.

D&B solutions meet a diverse set of global customer needs with 90% of the Fortune 500™, and companies of every size around the world, (including both local and central governmental agencies) relying on D&B's data for many purposes including:

- Finance, marketing & Risk
- Supply Management
- Compliance
- Master Data Management & Analytics
- Marketing & Sales
- Data intelligence

CONTACT DETAILS

Further information /ordering

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