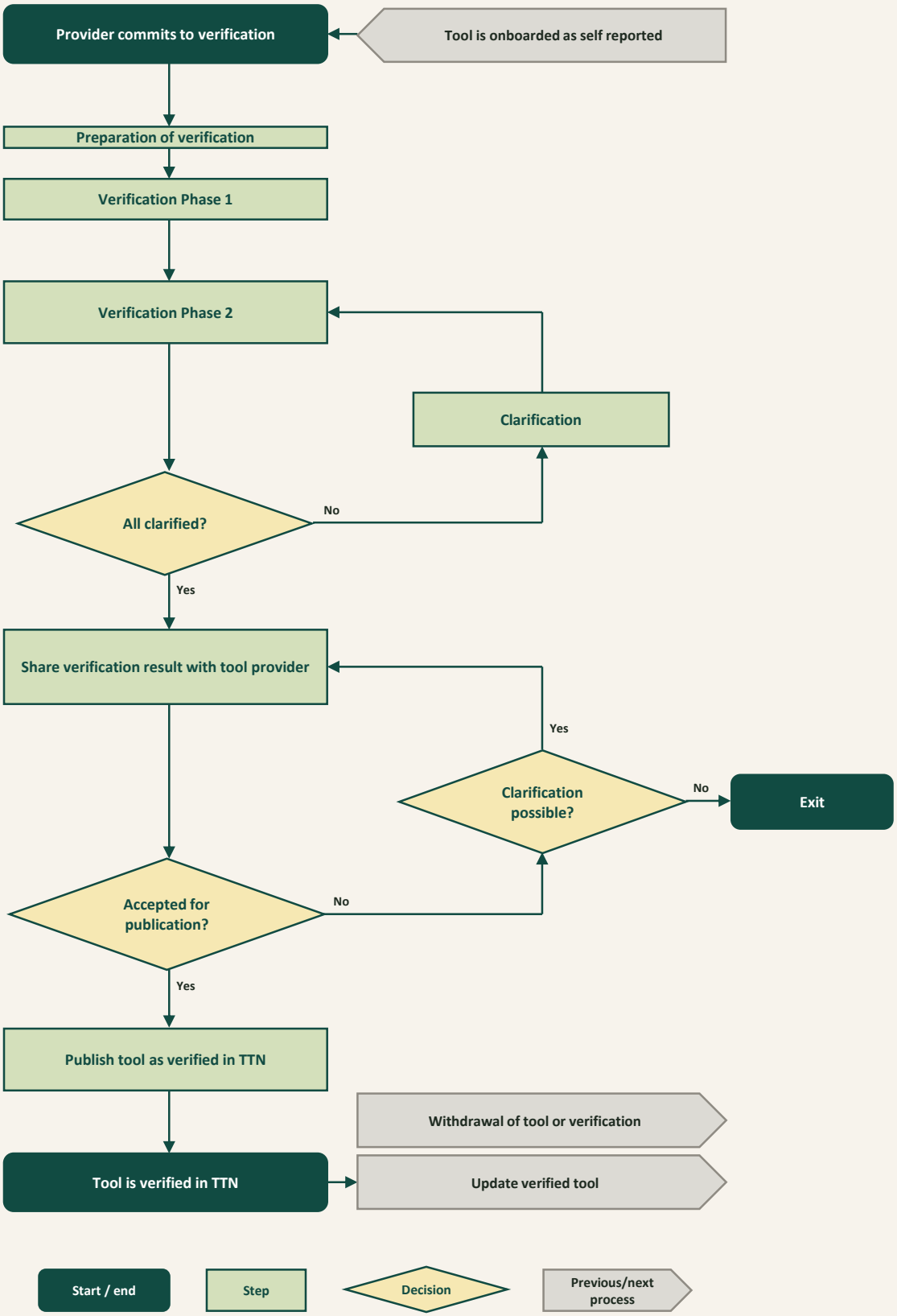
Tool verification

How PbN independently verifies the information a tool provider has reported. Version October 2026.



Tool verification: step by step

How PbN independently verifies the information a tool provider has reported. Version October 2026.

Step	What happens	Responsible party	Estimated timeline
Provider commits to verification	The provider signs the verification agreement and accepts the verification terms.	**Provider**	
Preparation of verification	PbN shares Verification Checklist and request for information and evidence. The verification procedure, checklist and guidance are also publicly available on TTN knowledge hub. The Tool Provider provides information, evidence and access to a demo account to PbN. The Provider gives quick intro to the demo account (if needed).	**PbN/Provider**	4 business days
Verification Phase 1	PbN independently works the verification checklist using the provider information/evidence and the demo account. PbN shares preliminary result to prepare Phase 2.	**PbN**	3 business days
Verification Phase 2	Online meeting with provider to demo any features/functionalities pending. If not feasible in one call, clarification in follow up.	**PbN/Provider**	2hrs + x
Share verification result with tool provider	Verification result is shared with tool provider (email checklist as pdf)	**PbN**	
	If no consensus on the verification result can be reached, the affected tool information will still be shown in non-verified view.	**PbN/Provider**	2hrs + x
Publish tool as verified in TTN	Tool is visible with verified view in public UI. Auditor edits the tool in admin interface setting all applicable features and values to "verified"	**PbN**	
Tool is verified in TTN			

Useful evidence for verification

The list on the right summarizes the main evidence expected for the verification process additional to providing access to a demo account. Where and how this evidence will be used in verification is stated in column P "verifiers" of each framework category.

- Tool Procedures (SOP's for full toolset)
- Guidance documents (internal and external)
- Tool partners if any
- Self Declarations (information, cost, & support, ..)
- Certifications (related to tool)
- General tool/tool provider policies and references
- Data sharing agreements
- Data hosting contracts/documents

TTN Verification Checklist

Framework version October 2026

About this checklist

This checklist lists every feature of the TTN framework, the answer options a tool provider can choose from, whether the feature is in scope of verification, what is verified and how it is verified.

How to read it

Feature	Feature name, tags (Critical / EUDR) and the provider guidance.
Answer options	The values a provider can select; grey text under an option is value-level guidance. [EUDR] marks options in the EUDR operator set.
What is verified	In scope / Not in scope, out-of-scope options, and the indicators checked by the verifier.
How it is verified	The verifiers (evidence) used to confirm the answer.

Categories

Category	Features	In scope	Critical
General Information, Cost & Support	15	9	8
Tool Scope	8	5	3
Data Governance & Interoperability	9	8	3
Data Collection	15	13	4
Traceability	14	13	3
Data analysis, Risk assessment	24	22	0
Financial transparency	2	2	0
Total	**87**	**72**	**21**

Feature	Answer options	What is verified	How it is verified
General Information, Cost & Support			
Cost & Pricing			
Tool name Critical	Provider's own answer	**In scope** The tool has an unambiguous name.	Naming of tool in TTN and on provider website.
Tool provider name Critical	Provider's own answer	**In scope** The tool provider has an unambiguous name.	Naming of provider on website imprint or public registries (legal entity)
Website URL Critical	Provider's own answer	**In scope** The website is accessible and relevant.	Link provided to TTN is consistent and functional.
Contact name Critical	Provider's own answer	**In scope** A tool provider contact for TTN is specified.	Name is stated in TTN.
Contact email Critical	Provider's own answer	**In scope** The tool provider contact is accessible via email.	Email is provided in TTN and functional.

Feature	Answer options	What is verified	How it is verified
General Information, Cost & Support (continued)			
Cost & Pricing (continued)			
Number of full time employees If you don´t want to disclose this, please enter "0".	Provider's own answer	Not in scope	
Annual Turnover in last fiscal year (€) Provide info on annual turnover in the last fiscal year. If you don´t want to disclose your turnover, enter "0".	Provider's own answer	Not in scope	
Date info was last updated	Provider's own answer	Not in scope	
Key message for tool card Provide a key message for your tool with a maximum of 100 characters.	Provider's own answer	Not in scope	
Brief description of tool for detail page Provide a brief description or summary of your tool with maximum 500 characters, you can include links to further information in the text.	Provider's own answer	Not in scope	
Cost information Provide information on pricing for using the tool, specify "unit cost" per your applicable payment model for using the tool. Disclose costs for optional services mentioned in various sections of this survey, such as customization, APIs, Risk Assessment services etc. in the additional info field.	Provider's own answer	**In scope** Cost information on TTN is consistent and comprehensive.	Corroboration of info on TTN with provider documents on cost/pricing.
Year tool was launched State when the tool was first launched	Provider's own answer	Not in scope	
Technical support and training			
Available channels for technical support Critical Select the channels and options through which technical support is provided.	• Ticketing System • Email • Phone hotline • Live chat • AI assistant • Support via a dedicated contact person	**In scope** Feature value is functional	Ticketing System: Simulation in test account. Demo use cases, client references and internal documentation. Support via a dedicated contact person: SLA includes option.
Select all training formats available Critical	• Live training Training is provided live and in person at the client´s sites. • Online Training • Knowledge base and FAQ • Training platform	**In scope** Feature value is functional	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
General Information, Cost & Support (continued)			
Technical support and training (continued)			
Languages covered Critical A language is covered when the user interface as well as relevant guidance and support are provided in this language. Please select the languages covered by your tool.	English · Chinese (Mandarin) · Spanish · Arabic · Portuguese · Bahasa Indonesia · Bahasa Melayu · French · Japanese · Russian · German · Italian · Hindi · Korean · Vietnamese · Turkish · Polish · Thai · Dutch · Bengali	**In scope** Language is covered.	UI, Guidance material and support the language claims. Languages tested in demo account.

Feature	Answer options	What is verified	How it is verified
Tool Scope			
Partnerships, tracking & tracing			
Main tool type Critical TTN structures tools along three main types, 1st mile, downstream and geospatial. Most tools cover more than one type.	• 1st mile tool First mile tools are designed for use by upstream companies like producers and first point of aggregation. • Downstream tool [EUDR] Downstream tools cater to companies operating in the middle or at the end of supply chain, designed to support regulatory requirements or the implementation of responsible sourcing commitments. • Geospatial tool [EUDR] Geospatial tools use remote sensing technologies to monitor commodity supply areas.	**In scope** 1st mile tool: First mile core functions are covered. Downstream tool: Downstream core functions are covered. Geospatial tool: Core geospatial functions are covered.	1st mile tool: Mobile app for data collection in place. Producer/first mile user roles are integrated. Tool supports forward tracking. Downstream tool: Data collection covers the full supply chain. At least one use case is supported with adequate data analysis and risk assessment functions. Geospatial tool: Geolocations can be analysed for land cover and/or land use state and/or change based on remote sensing data.
Partnerships State if you partner with other organizations to cover the tool types selected and provide additional information on your partners.	Yes / No	Not in scope	
Track/Trace approach Critical In forward-tracking, relevant traceability data is collected and shared with downstream actors as the material flows through the supply chain in (near-) real time. In backward-tracing, the traceability process is triggered from the downstream end. Traceability data is collected retroactively	• Downstream/forward tracking • Upstream/backward tracing	**In scope** Downstream/forward tracking: As material moves downstream, CTEs are reported timely and directly by the responsible supply chain actors. Upstream/backward tracing: Traceability data and evidence are compiled from downstream end back to source. Data can be submitted by a downstream actor/account.	Simulation in test account. Demo use cases or client references.

Feature	Answer options	What is verified	How it is verified
Tool Scope (continued)			
Use cases			
Regulations supported Critical The values comprise the core set of regulations related to forest risk commodities. State further regulations supported by your tool in "additional info".	• EUDR [EUDR] EU Regulation on Deforestation-free Products • EUTR EU Timber Regulation • UKTR UK Timber Regulation • CHTR (HHV) Swiss Timber Trade Ordinance • US Lacey Act • AILPA Australian Illegal Logging Prohibition Act • EU FLR EU Forced Labor Regulation • CSRD EU Corporate Sustainability Reporting Directive • CS3D EU Corporate Sustainability Due Diligence Directive	**In scope** Not in scope: US Lacey Act, AILPA, EU FLR, CSRD, CS3D EUDR: Core functions for EUDR support are met. EUTR: Core functions for EUTR support are met.	EUDR: As per EUDR filter and claimed tool type, 80% of features (excluding deforestation features) must be met to claim that the use case is supported Demo in test account or user reference. EUTR: As per EUDR filter and claimed tool type, 80% of features must be met to claim that the use case is supported Demo in test account or user reference.
Certifications supported State if your tool supports conformity with certification schemes for example with specific data points in data collection templates. Use the "endorsement value" if your tool is officially endorsed or even integrated in a scheme and provide additional info on the scope and level of endorsement.	• FSC Forest Stewardship Council • PEFC Programme for the Endorsement of Forest Certification • SFI Sustainable Forestry Initiative • SBP Sustainable Biomass Program • GOTS Global Organic Textile Standard • BCI Better Cotton Initiative • RSPO Roundtable on Sustainable Palm Oil • RTRS Roundtable on Responsible Soy • RA Rainforest Alliance • Fair Trade • 4c Certification for Climate, Conservation and Communities • Proterra • PbN SF Preferred by Nature Sustainability Framework • Tool is officially endorsed by the claimed certification scheme. See additional info in detail and comparison view to understand which schemes endorse or integrate a tool.	**In scope** Not in scope: FSC, PEFC, SFI, SBP, GOTS, BCI, RSPO, RTRS, RA, Fair Trade, 4c, Proterra, PbN SF Tool is officially endorsed by the claimed scheme(s)	Endorsement statement from scheme is available.

Feature	Answer options	What is verified	How it is verified
Tool Scope (continued)			
Use cases (continued)			
Voluntary commitments supported The values comprise the core set of land use focused voluntary commitments. Further commitments supported by the tool may be stated in "additional info".	• NDPE Non Deforestation, No Peat, No Exploitation • SBTi FLAG Science Based Targets Initiative (Forest, Land and Agriculture) • Afi Accountability Framework Initiative • TFND Taskforce on Nature-related Financial Disclosures • Tool is officially endorsed by the claimed voluntary initiatives. See additional info in detail and comparison view to learn which initiatives officially endorse a tool.	**In scope** Not in scope: NDPE, SBTi FLAG, Afi, TFND Tool is officially endorsed by the claimed voluntary initiative	Endorsement statement from voluntary initiative is available.
Commodities scope The values comprise the core set of forest risk commodities. Further commodities supported by the tool may be stated in "additional info".	• timber [EUDR] • rubber [EUDR] • cocoa [EUDR] • coffee [EUDR] • soy [EUDR] • palm [EUDR] • cattle products [EUDR] • sugarcane • maize	Not in scope	
Use Case Specialization Use this feature to describe if your tool was developed with a focus on specific use cases, commodities or geographies and state main benefits of this specialization. Clarify if the tool is exclusive for these use cases or still can be used for others.	Provider's own answer	Not in scope	

Feature	Answer options	What is verified	How it is verified
Data Governance & Interoperability			
Data governance			
Data governance policy available on TTN		In scope	
Link to your policy if available	Yes / No Link to your policy if available, you can only select "yes" here if you have added the link accordingly in additional information.	Up to date policy available as claimed.	Policy is accessible via hyperlink on TTN.
Data protection and privacy regulations		In scope	
What standards and means are in place to ensure compliance with data regulations, data protection and privacy? Select all standards and other means your tool complies with.	• ISO27001 • NIST CSF National Institute of Standards and Technology Cybersecurity Framework • SOC 2 American Institute of Certified Public Accountants Service Organization Control Type 2 • FedRAMP Federal Risk and Authorization Management Program	ISO27001: Accredited and valid ISO27001 certificate with adequate scope is available. NIST CSF: NIST CSF is implemented SOC 2: SOC 2 is implemented. FedRAMP: FedRAMP is implemented.	ISO27001: Review of certificate. Verification of validity on CAB or IAF website. NIST CSF: NIST CSF current profile and action plan are available. Chief Information Security Officer (CISO) self declaration. SOC 2: SOC 3 report is available. (Public facing summary of SOC 2 audit). FedRAMP: Tool/Service is listed on the fedramp marketplace.
Data governance frameworks		Not in scope	
International data governance protocols, code of conducts or frameworks aim to ensure inclusive and ethical data handling in the supply chain by managing consent for data handling, control, storage, protection, transfer, grievance and redress.	• UK FSA Food Data Trust framework • EU Code of conduct EU Code of conduct on agricultural data sharing by contractual agreement • Maastricht University Principles Maastricht University Smallholder-oriented Data Governance Principles • FAIR & CARE Principles gida-global		

Feature	Answer options	What is verified	How it is verified
Data Governance & Interoperability (continued)			
Data storage			
Data infrastructure models supported		**In scope**	
Critical Select the applicable models and provide additional information e.g. about available configurations.	• On premise Data infrastructure is physically located within an organization's own buildings or private data centers. The provider owns, manages, and maintains all hardware, networking, and software. • Cloud Server Infrastructure hosted entirely by a third-party Cloud Service Provider (CSP) like AWS, Google Cloud, or Microsoft Azure. Resources are shared across multiple tenants and accessed securely over the internet. • Hybrid Cloud An environment that bridges On-Premise (or Private Cloud) infrastructure and Public Cloud servers. • Decentralized (e.g. Blockchain) An architectural model where data is not stored in a single central location. Instead, a cryptographically secured ledger of data is replicated and synchronized across a distributed network of independent computers (nodes).	Claimed infrastructure is in place.	Internal documentation of infrastructure/IT architecture.
Location of data storage and hosting		**In scope**	
Critical Add additional info on customization and multi-regional hosting/replication if applicable.	• European Union (EU)/European Economic Area (EEA) • United States • United Kingdom • Multiple regions (data may be replicated across regions) • Configurable by customer • Hosted by a major cloud provider e.g., AWS, Azure, Google Cloud, with regional data center options available	Location of data storage and hosting is comprehensive.	Internal documentation of data hosting arrangements. Contracts with hosting providers. Configuration options in SLAs.
Interoperability			
File formats supported for (mass-) data import/export		**In scope**	
Critical Please choose all formats supported by your tool for mass import/export of data.	• CSV • JSON • EPCIS • SQL • SHP • GPX • KML • KMZ • GeoJSON • GeoTiff	Data import/export is functional.	Simulation in test account. Demo use cases, client references and internal documentation.
API types supported		**In scope**	
You can disclose cost information per API in additional info.	• Direct Query • REST • SOAP • gRPC • GraphQL • CLI	API types are supported.	SLAs include API types as claimed. API Sandbox is available. Endpoint lists and code samples are available per claimed type.

Feature	Answer options	What is verified	How it is verified
Data Governance & Interoperability (continued)			
Interoperability (continued)			
Use of vocabularies and ontologies		**In scope**	
Vocabularies provide the basic set of terms and definitions to ensure all parties use the same words for the same concepts. Ontologies are more expressive, defining relationships, properties or constraints between terms. Both help to align on the meaning of data to ensure semantic interoperability.	HS Codes [EUDR] · FAO AgroVoc · EFSA Foodex2 · GS1-CoreBusiness · GS1-Web · GS1-EPCIS · SKOS · RDF Schema · OWL · Blue Number · UN EDIFACT · UN/CEFACT · EPPO Global Database Taxonomy · UNTP Conformity Vocabulary · UNTP Core Vocabulary · UNTP Core Taxonomy	Vocabularies and Ontologies are implemented	Mapping Table or Crosswalk Document is available. Data-structure is aligned with Vocabulary. Parsing and generation of relevant file types is functional. Outputs can run through automated validators where available (e.g. GS1 validator). Use cases are demonstrated in Test account.
Alignment with Traceability Standards		**In scope**	
Traceability standards are a set of formal requirements or rules to ensure traceability across the supply chain. They can include mandatory use of KDE/CTE frameworks, vocabularies or ontologies, support of APIs and file formats but go beyond these and specify further requirements.	• GS1 Global Traceability Standard • ISO22005 Traceability in the feed and food chain • ISO 34101 Sustainable and traceable cocoa • FSMA FSMA Final Rule on Requirements for Additional Traceability Records for Certain Food	Data points structure and interoperability features are aligned with traceability standards.	Data-Model is aligned with standard. Parsing and generation of relevant file types is functional. Tool is endorsed, accredited or certified for the standard. Use cases are demonstrated in Test account. GS1: Accredited solution provider. ISO: 22005/FSMA: "One-Step-Back, One-Step-Forward" Tracking", Automated Lot & Batch Management", Management of corrective and preventive action. ISO34101: Supports mass balance in claims management. supports farmer management and plot registries.

Feature	Answer options	What is verified	How it is verified
Data Collection			
Data collection processes			
Inclusivity by design	• Mobile interface for core functions • Supports devices, operating systems and browsers older than 7 years • UI prioritizes icons over text • UI prioritizes plain language	**In scope** Not in scope: UI prioritizes icons over text, UI prioritizes plain language Mobile interface for core functions: Core functions are fully operable on mobile devices. Supports devices, operating systems and browsers older than 7 years: Core functions are supported by operating systems and browsers over 7 years old	Mobile interface for core functions: Simulation in test account. Demo use cases, client references and internal documentation. Supports devices, operating systems and browsers older than 7 years: Records showing and/or testing performed on operating devices. Note test device/
User types that can be granted access Critical Select the different user roles foreseen in the tool. For example "operator" for actors facing regulatory requirements when placing product on the market, their direct suppliers (T1) their indirect suppliers (Tx), producers (farmers or foresters) etc.	• Client/Operator [EUDR] • T1 supplier • Tx supplier • Producer • Producer group/cooperative user • Risk Assessor/Expert • Admin user • Auditor/Authority user • Configurable by user	**In scope** User roles are defined and distinguishable by different access to functions and data.	Simulation in test account. Demo use cases, client references and internal documentation.
User authentication methods Critical Select the identity recognition or verification methods featured in the tool.	• 1FA login • 2FA login • NFT	**In scope** User authentication methods and verification are clearly defined	Simulation in test account. Demo use cases, client references and internal documentation.
Data collection and reporting methods Critical	• Mobile app • Web interface for PC/Workstation • offline modus available for mobile app	**In scope** Mobile app: Data collection and reporting methods are clearly defined. Templates and/or instructions provided. Web interface for PC/Workstation: function is integrated in web interface offline modus available for mobile app: function integrated in web mobile app	Simulation in test account. Demo use cases, client references and internal documentation. Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Data Collection (continued)			
Data collection processes (continued)			
Plot mapping and direct capture of geo-locations. If your tool supports the mapping of boundaries, select the supported methods and formats.	• Via GPS tracking in mobile app • Via GIS interface • GeoJSON • KML/KMZ • Shapefile (.shp, .shx, .dbf)	**In scope** Via GPS tracking in mobile app: function is integrated in mobile app Via GIS interface: function integrated in web interface GeoJSON: KML/KMZ:	Simulation in test account. Demo use cases, client references and internal documentation.
Integration with DPI and further technology building blocks Select the DPI and open source elements, the tool is linked with for example for unique plot identifiers to identify geolocations and supply chain actors.Add additional info for missing values like national registries.	• Varda Global Field ID • GeoID (AgStack/Linux Foundation/FAO) • INATrace • ITC Deforestation Free Gateway • country specific DPI (see additional info) • Open Foris Ground • WhHIMO • WHISP	**In scope** DPI initiatives are integrated and defined in terms of coverage and use.	DPI initiatives verified through tool integration and accessibility. (Tool acknowledgement, contracts,) Simulation in test account. Demo use cases, client references and internal documentation.
Pre-configured data collection for regulations Select the values for which the tool includes pre-configured data collection templates, data collection flows. Templates for further regulations may be stated in "additional info".	• EUDR [EUDR] • EUTR • UKTR • CHTR (HHV) • US Lacey Act • AILPA • CSRD • CS§D • EU FLR • CBAM	**In scope** Not in scope: US Lacey Act, AILPA, CSRD, CS§D, EU FLR, CBAM Processes are aligned with the use case and contain relevant data points in data collection requirements.	Core set of data points per use case is integrated in data collection templates. Template available, Examples, procedures (tool processes are aligned with use case).
Pre-configured data collection for certification Select the values for which the tool includes pre-configured data collection templates and data collection flows.	FSC · PEFC · SFI · SBP · GOTS · BCI · RSPO · RTRS · RA · Fair Trade · 4c · Proterra · PbN SF	**Not in scope**	
Pre-configured data collection for voluntary frameworks Select the values for which the tool includes pre-configured data collection templates and data collection flows. Templates for further regulations may be stated in "additional info".	• NDPE • SBTi FLAG • SBTN • Afi • TFND	**Not in scope**	

Feature	Answer options	What is verified	How it is verified
Data Collection (continued)			
Data collection processes (continued)			
Customized and specialized data collection		**In scope**	
State if your tool is specialized in certain use cases and provides specific templates beyond use case, commodity and geography and if users can configure their own data collection templates. Provide details as "additional info".	• Use case specific data collection exists. • Users can self-configure their data collection frameworks. • User can request customization via the tool provider.	Use case specific data collection exists.: Use case specific data collection exists. Users can self-configure their data collection frameworks.: Self-configurable templates implemented. User can request customization via the tool provider.: Configuration on demand available.	Use case specific data collection exists.: Templates are tailored to a use case, specifying country/material/species specific evidence requirements in local language names. Users can self-configure their data collection frameworks.: Test in Demo account. User can request customization via the tool provider.: Procedure and pricing available.
Integrated user support		**In scope**	
Does the tool include tips, information boxes, or other means to assist data collectors with explanations or definitions? Please add additional info so that users can learn more about how your tool covers this feature.	Yes / No	Integrated user support is built into the tool.	Simulation in test account. Demo use cases, client references and internal documentation.
Copying, saving and editing of data entries		**In scope**	
Can data providers copy and edit previous datasets to use them as a basis for a new process? When new risk assessments, data collection loops etc. are initiated, some data elements will not have changed since the last process. Users can benefit from copying data from previous processes.	Yes / No	Users can successfully replicate an existing entry, modify specific fields, and implement those changes to the database within the toll without data loss or duplication	Simulation in test account. Demo use cases, client references and internal documentation.
Upload of evidence in different formats		**In scope**	
EUDR Can data providers upload files, documents, photos in common formats? Data elements claimed by supply chain actors should and sometimes must be backed up with adequately conclusive and verifiable evidence. Common formats include pdf, office files, pictures.	Yes / No	Tool provides universal upload capabilities which accept a diverse range of evidence or data elements	Simulation in test account. Demo use cases, client references and internal documentation.
Data quality assurance and process tracking			
Communication channels		**In scope**	
Critical Direct communication between supply chain actors and tool users may be required during the data collections process. Select the channels integrated in the tool.	• Chat function • Direct email • Mass email • Automated alerts/notifications	The Tool defines functional transparency of the data collection across supply chain users and the availability of communication pathways.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Data Collection (continued)			
Data quality assurance and process tracking (continued)			
Progress tracking		**In scope**	
EUDR The tool should support users in timely and comprehensive data collection, tracking progress in supplier survey responses and sending prompts or flags if they have not responded or when data and evidence are missing. State if your tool includes such features and provide additional information.	Yes / No	Progress tracking is built into the tool.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Traceability			
External Traceability			
Granularity of origin Critical Select the values that describe on which level the tool supports traceability of origin. State in additional info if the traceability level is use case specific (e.g. for EUTR assessments, traceability to a low risk country may be sufficient).	• Country level • Country sub-region • Supply shed/sourcing radius • Plot of land [EUDR] • Configurable by user	**In scope** Country level: Granularity of origin is clearly defined and described within the tool. Supply chain maps/templates offer data points aligned with claimed granularity. Configurable by user: Accessibility and development by user for granularity is clearly defined and described within the tool.	Simulation in test account. Demo use cases, client references and internal documentation.
Automated supply chain discovery Select if your tool includes automated supply chain discovery using trade and customs databases or similar.	Yes / No	**In scope** The presence of a mapping engine that uses transactional data to automatically populate a multi-tier supply chain visualization.	Simulation in test account. Demo use cases, client references and internal documentation.
Supply chain mapping Critical Visualization of all entities involved in the physical material and/or financial transaction flow for a product´s supply chain. Some tools only support a product´s general supply chain map (all potential actors involved), others support shipment/transaction specific supply chain maps.	• Financial flow Supply chain map comprehensively illustrates the financial transaction flow. • Physical material flow Supply chain map comprehensively illustrates the physical material flow. • Actor mapping [EUDR] Supply chain map includes the identification of relevant supply chain actors. • Shipment/transaction based mapping Tool includes shipment/transaction based supply chain mapping. • Supply chain is illustrated as a flowchart/network • Supply chain is illustrated on a GIS interface	**In scope** Financial flow: Data and Evidence of payment flows is captured. Physical material flow: Data and evidence of physical flow is captured. Actor mapping: Relevant supply chain actors are identified. Shipment/transaction based mapping: Supply chain mapping is done by shipment/transaction. Supply chain is illustrated as a flowchart/network: Visualization as flowchart/network. Supply chain is illustrated on a GIS interface: Visualization in GIS interface	Simulation in test account. Demo use cases, client references and internal documentation.
Maximum of nodes that can be included in a supply chain. State if there are limitations to the number of nodes that can be included in the tool.	Provider's own answer	**In scope** Amount of usable nodes or maximum number is clearly defined	Compare stated maximum to sample. Maximum is clearly communicated to users.

Feature	Answer options	What is verified	How it is verified
Traceability (continued)			
External Traceability (continued)			
Timeliness of reporting transactions and data to the tool.		**In scope**	
Critical	• (near) Real time, forward tracking • Retroactive backward tracing	(near) Real time, forward tracking: Tool supports forward tracking. Retroactive backward tracing: Retroactive upstream tracing is supported	(near) Real time, forward tracking: Corresponding user roles are integrated. Demos/Use cases confirm that forward tracking is implemented. Retroactive backward tracing: Corresponding user roles are integrated. Demos/Use cases confirm that upstream tracing is implemented.
Supports transaction verification via digital handshakes.		**In scope**	
Does the tool support transaction verification via digital handshakes as an automated exchange of information between two devices or programs to establish the protocols and parameters of a communication before the main data transfer begins to ensure a reliable, secure, and coordinated data exchange?	Yes / No	Digital handshakes are implemented.	Simulation in test account. Demo use cases, client references and internal documentation.
Internal traceability			
Production plot registry		**In scope**	
A registry with assigning unique IDs to production plots or farm is a precondition for operating a volume ledger and performing volume reconciliation	Yes / No	Plot registry is implemented.	Simulation in test account. Demo use cases, client references and internal documentation.
Harvest event registry		**In scope**	
A registry with assigning unique IDs to harvest events and capturing harvest volumes is a precondition for operating a volume ledger.	Yes / No	Tool is able to accommodate a registry for assigning unique IDs to harvest events and capture harvest volumes	Simulation in test account. Demo use cases, client references and internal documentation.
Prevention of double spending		**In scope**	
By operating a material ledger, the tool can make sure that claimed harvest volumes are not double counted (sold more than once into the downstream supply chain).	Yes / No	Volumes can not be double spent.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Traceability (continued)			
Internal traceability (continued)			
Systematic capture of internal processes and data elements.		**In scope**	
Does the tool capture internal processes and relevant data ? For comprehensive documentation of internal traceability the tool needs to capture key data elements on inbound traceable resource units, critical tracking events in storage and processing and linkage to outbound traceable resource units.	• Manual reporting of internal processes by users • Linkage to internal systems to capture internal processes	Manual reporting of internal processes by users: Internal processes captured in data collection templates) Linkage to internal systems to capture internal processes: Tool automatically captures process data from users internal systems.	Simulation in test account. Demo use cases, client references and internal documentation.
Conversion factors		**In scope**	
The integration of process specific conversion factors helps to identify when implausible yields are claimed. This can indicate that unclaimed material is being laundered into the supply chain.	Yes / No	The tool integrates conversion factors (CF) to assist in identifying and preventing the laundering of non-eligible material. If CF's are not integrated a documented system is in place to compare actual production yields against established process-specific CFs	Simulation in test account. Demo use cases, client references and internal documentation.
Marking and identification technologies		**Not in scope**	
Marking and identification technology strengthens the ties between data flows and physical material flow and keeps traceable resource units identifiable.	• QR codes • Bar codes • RFID tags • Microtaggants • DNA or other material inherent identifiers		
COC models supported by the tool		**In scope**	
Chain of Custody (COC) models specify traceability levels of varying granularity for internal traceability. The value selection is adopted from the ISEAL Chain of Custody Models and Definitions Guidance.	• Identity Preservation (IP) • Segregation • Controlled Blending • Mass Balance • Controlled Mass Balance • Book and Claim	The COC model is considered in the reporting of internal processes by adequate data points in data collection templates.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Traceability (continued)			
Internal traceability (continued)			
COC certification standards integrated in the tool		**In scope**	
If the tool is designed to meet a schemes COC requirements, select the relevant schemes. Only select this option if all COC related requirements are included (COC model, claims management, templates, procedures etc.)	• FSC Forest Stewardship Council • PEFC Programme for the Endorsement of Forest Certification • SFI Sustainable Forestry Initiative • SBP Sustainable Biomass Program • BCI Better Cotton Initiative • RSPO Roundtable on Sustainable Palm Oil • RTRS Roundtable on Responsible Soy • RA Rainforest Alliance • 4c Certification for Climate, Conservation and Communities • ISO 38200 Chain of custody of wood and wood-based products • PbN SF COC Preferred by Nature Sustainability Framework Chain of Custody • Tool is officially endorsed for COC by the claimed certification scheme. See additional info in detail and comparison view to learn which schemes officially endorse a tool for COC.	Not in scope: FSC, PEFC, SFI, SBP, BCI, RSPO, RTRS, RA, 4c, ISO 38200, PbN SF COC Tool is officially endorsed by the claimed scheme(s)	Endorsement statement from scheme is available.

Feature	Answer options	What is verified	How it is verified
Data analysis, Risk assessment			
Validation of documents and other evidence			
Check for forgery and manipulation		**In scope**	
Evidence may have been forged or manipulated, for example content on VAT invoices or harvest permit was changed to feign compliance. Select how these checks are included in your tool.	• Evidence is checked manually by tool users • Evidence is checked manually (paid expert service available) • Evidence is checked automatically • Services are AI supported	Checks for forgery and manipulation are implemented as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Validation of content		**In scope**	
Tool users need to ensure that evidence (documents, images, ...) supports the claims specified in key data elements (geolocation of production, volumes traded, product descriptions, trade chronology...). Please select all methods included in the tool.	• Evidence is checked manually by tool users • Evidence is checked manually (paid expert service available) • Evidence is checked automatically • Manual checks AI supported with integrated translation • Manual checks AI supported with integrated content analysis	Validation of content is implemented as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Document verification		**In scope**	
Some legality and traceability evidence can be verified or validated. For example in some countries VAT invoices can be cross checked in public platforms, certification status and scope can be confirmed in scheme owner platforms Select all methods included in the tool.	• Documents are verified manually by tool users • Documents are verified as paid expert service • Documents are verified automatically • Services are AI supported	Verification is implemented as claimed.	Simulation in test account. Demo use cases, client references and internal documentation. Sample based!
Risk assessment framework and methodology			
Main risk categories covered by the tool		**In scope**	
A category is covered when criteria, indicators and verifiers are specified for this category.	• Legality in primary production [EUDR] • Legality in processing • Social compliance in primary production [EUDR] • Social compliance in processing • Land conversion [EUDR] • Land degradation [EUDR] • Mixing, Circumvention and Contamination [EUDR]	Risk categories are clearly defined and specified with indicators.	Simulation in test account. Demo use cases, client references and internal documentation.
Risk criteria on country level		**In scope**	
EUDR A criterion is covered when the tool considers publicly acknowledged databases for rating risk For example the CPI to rate the risk of corruption on country level.	• Deforestation rates and land conversion • Sanctions on country level • Corruption and level of Governance • Armed conflict • Human rights • Labor rights • Indigenous rights	Risk categories are clearly defined and specified with indicators.	Simulation in test account. Demo use cases, client references and internal documentation.
Risk criteria on supplier level		**In scope**	
EUDR A criterion is covered when the tool considers publicly acknowledged databases for rating risk For example EU sanctions lists to identify sanctioned suppliers.	• Sanctions against suppliers and affiliates • Records of infractions • Records of concerns • Records of involvement in armed conflict	Risk categories are clearly defined and specified with indicators.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Data analysis, Risk assessment (continued)			
Risk assessment framework and methodology (continued)			
Risk criteria on commodity or product level		**In scope**	
A criterion is covered when the tool considers publicly acknowledged databases for rating risk For example CITES listings to identify the protection status and trade restrictions of claimed timber species.	• Presence of trade or export bans [EUDR] • Protection status of traded material • Records of product or supply chain specific risks	Risk categories are clearly defined and specified with indicators.	Simulation in test account. Demo use cases, client references and internal documentation.
Risk criteria on supply chain level		**In scope**	
The featured values are examples of indicators to rate supply chain complexity and plausibility. Choose all applicable for your tool.	• HS code [EUDR] • Number of supply chain nodes • Number of borders crossed • Plausibility of material/product conversion	Risk categories are clearly defined and specified with indicators.	Simulation in test account. Demo use cases, client references and internal documentation.
Methods of risk assessment		**In scope**	
Choose the options supported by your tool.	• Fully automated risk assessment no manual override • Automated risk assessment, override as paid expert service • Automated risk assessment, override possible by tool user • Risk assessment by tool provider (as paid expert service) • Manual risk assessment by tool user	Risk assessment is performed as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Configuration of risk assessments		**In scope**	
Can users edit and configure risk categories, criteria, indicators, verifiers and/or thresholds? State if risk assessments are configurable and provide additional information.	• Risk assessment is freely configurable by the user • Risk assessment is configurable by tool provider on demand • Risk assessment framework is static	Configuration is available as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Specialization in Risk Assessment		**Not in scope**	
State if your tool is specialized in certain use cases and considers use case specific reference data or methodology beyond common public datasets. State main benefits of this specialization.	Provider's own answer		
Geospatial analysis, land cover and land use change			
Plausibility checks of claimed geolocations		**In scope**	
Suppliers may claim implausible land plots, management units or supply sheds. E.g. plots that cannot produce the claimed commodity (no previous tree cover for timber producing plots, water or urban areas), plots where no harvest happened or that cannot yield the claimed volume.	• Land plot plausibility is checked manually by tool users • Land plot plausibility check as paid expert service • Land plot plausibility is checked automatically • Services are AI supported	Plausibility check is available as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Data analysis, Risk assessment (continued)			
Geospatial analysis, land cover and land use change (continued)			
Land cover and land use classes included.		**In scope**	
Different use cases work with different land use classes. Select the classes covered in the tool. Only select the value when the land use/land cover class is a distinct separate class in your tool.	Agriculture · Agriculture annual crops · Agriculture perennial crops · Pasture/Livestock · Agroforestry · Forest [EUDR] · Natural forest · Primary forest [EUDR] · Naturally regenerating [EUDR] · Planted forest [EUDR] · Plantation forest [EUDR] · Other wooded land [EUDR] · Shrubs · Grassland · Mangroves · Urban · Water	Classes are distinguished as claimed.	Simulation in test account. Demo use cases, client references and internal documentation. Use PbN prepared sample plots.
Land cover and land use at cut-off date		**In scope**	
If the tool determines land use states at a cut-off date, specify if this is done based on public and free datasets only (e.g. JRC forest cover 2020 map) or based on proprietary methods and algorithms.	• By use of public datasets • By use of proprietary methods and algorithms • Services are AI supported	Land use at cut-off date is determined as claimed.	Simulation in test account. Demo use cases, client references and internal documentation and methodology.
Definition of cut-off date		**In scope**	
Depending on the use case, land cover change assessments should be carried out against a cut-off date or a period. Please select all options supported by the tool.	• 31.12.2020 (EUDR cut-off) [EUDR] • Cut off date freely configurable by user • No cut off date considered	Cut-off date is configurable as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Assessment of land cover and land use at harvest date		**In scope**	
If the tool determines land use states at a claimed harvest date or similar, specify if this is done based on public and free datasets only (e.g. Hansen Global forest change) or based on proprietary methods and algorithms.	• By use of public datasets • By use of proprietary methods and algorithms • Services are AI supported	Land use at cut-off date is determined as claimed.	Simulation in test account. Demo use cases, client references and internal documentation and methodology.
Corroboration of remote sensing evidence with other evidence		**In scope**	
Tools often include a mechanism to override assessment results that are only based on remote sensing, when credible field evidence proofs the opposite since detected tree cover loss is not necessarily deforestation (e.g. when it is temporary as in a rotational clear cuts in plantation forestry).	Yes / No	Override is available as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Consideration of land-use change outside declared boundaries		**In scope**	
If land cover change indicating non-compliance is detected near the claimed and assessed geolocations this can indicate increased risk of contamination. Please select the values describing how your tool considers this.	• Considered by an offset around claimed land plots. Land cover change outside claimed boundaries is considered by a buffer zone/offset around claimed land plots. • Considered on a regional level Land cover change outside claimed boundaries is considered on a regional level (supply shed/potential sourcing area)	Consideration of land-use change outside declared boundaries is covered as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Data analysis, Risk assessment (continued)			
Geospatial analysis, land cover and land use change (continued)			
Specialization in Geospatial Analysis State if your tool is specialized in certain use cases and considers use case specific reference data or methodology beyond common public datasets. State main benefits of this specialization.	Provider's own answer	Not in scope	
Risk Mitigation **This section describes how main risk mitigation activities are integrated in the tool.**			
Risk mitigation workflow EUDR Does the tool include a dedicated workflow for risk mitigation?	Yes / No	**In scope** Tool provides dedicated workflow for risk mitigation. And Workflows for risk mitigation are clearly defined	Simulation in test account. Demo use cases, client references and internal documentation.
Integration of forensic testing Select all relevant functions the tool supports with regards to forensic testing.	• Test results as evidence Test results can be uploaded together with further evidence and considered in the risk assessment. • Risk based recommendations The tool proactively recommends forensic testing on case level, based on case specific risk rating. • Support of purposeful sampling The tool supports the development of purposeful sampling for forensic testing.	**In scope** Forensic testing is integrated as claimed.	Simulation in test account. Demo use cases, client references and internal documentation.
Field verification Select all relevant functions the tool supports with regards to field verification.	• Field verification as evidence [EUDR] Field evidence can be uploaded together with further evidence and considered in the risk assessment. • Risk based recommendations The tool proactively recommends field verification on case level, based on case specific risk rating.	**In scope** Field evidence (additional templates and documents) are able to be uploaded by tool users	Simulation in test account. Demo use cases, client references and internal documentation.
Reporting			
Pre configured reports for common use cases available The list comprises reporting for the core use cases related to forest risk commodities. Further reporting functionalities may be stated in "additional info".	• EUDR DDS [EUDR] EUDR Due Diligence Statement submitted to TRACES NT via API • EUDR annual reporting [EUDR] According to EUDR Article 12 • CSRD • SBTi	**In scope** Preconfigured reports are available for the below. If specific reports are only available, this shall be clearly defined/represented.	Simulation in test account. Demo use cases, client references and internal documentation.
Options for custom reporting On top of external reporting requirements users may have individual reporting needs. Tools can support this in different ways.	• Users can self-configure reports • Customization of reports by tool provider • Through plugins with 3rd party tools (Power BI, Tableau, etc)	**In scope** Custom reporting is an option for tool users.	Simulation in test account. Demo use cases, client references and internal documentation.

Feature	Answer options	What is verified	How it is verified
Financial transparency			
Payments and transparency			
Tool includes a digital wallet/payment function Tools can include payment functions and record payments for increased financial transparency across the supply chain.	Yes / No	**In scope** Payment function/wallet is functional.	Simulation in test account. Demo use cases, client references and internal documentation.
Compensation for data originators State if data originators (e.g. producers) are compensated for procuring and sharing data and information.	Yes / No	**In scope** Data originators are compensated.	Simulation in test account. Demo use cases, client references and internal documentation.