SAP S/4HANA Supply Chain for Transportation Management*

Transportation Management vs. Advanced Transportation Management
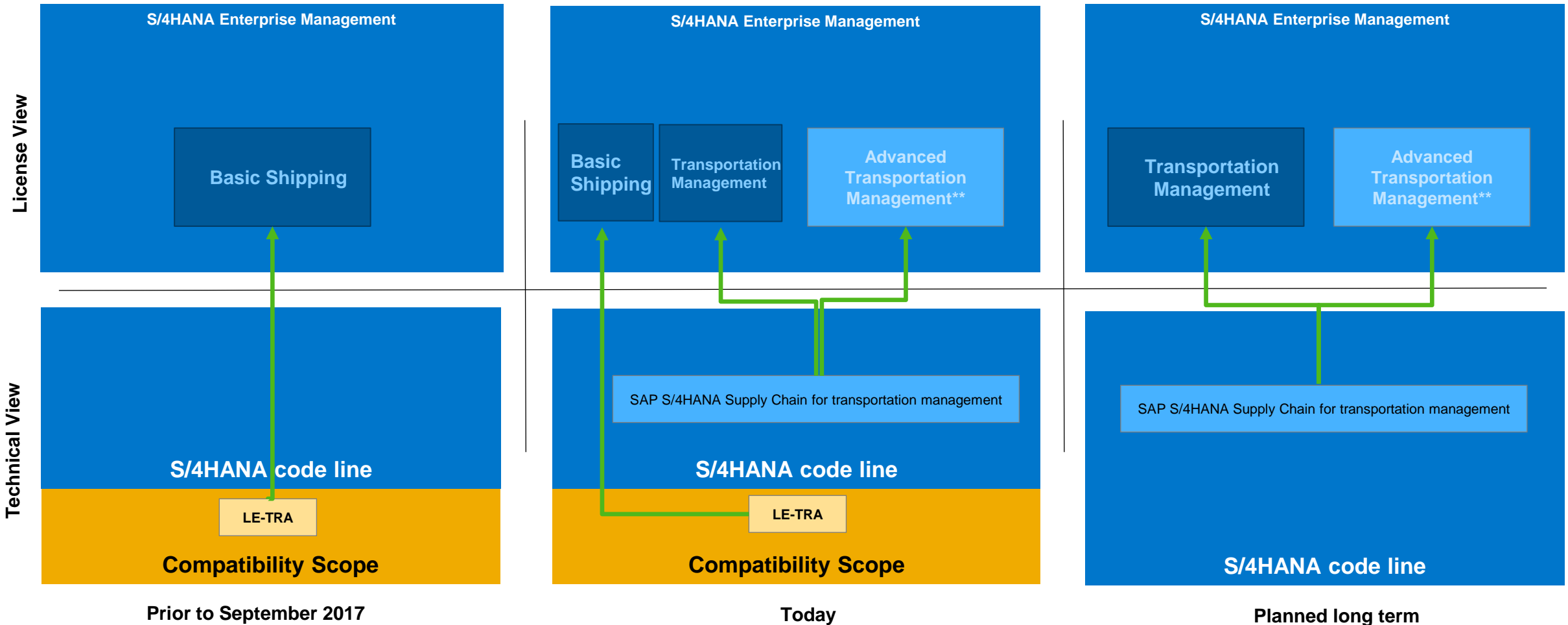
November 2021

THE BEST RUN **SAP**

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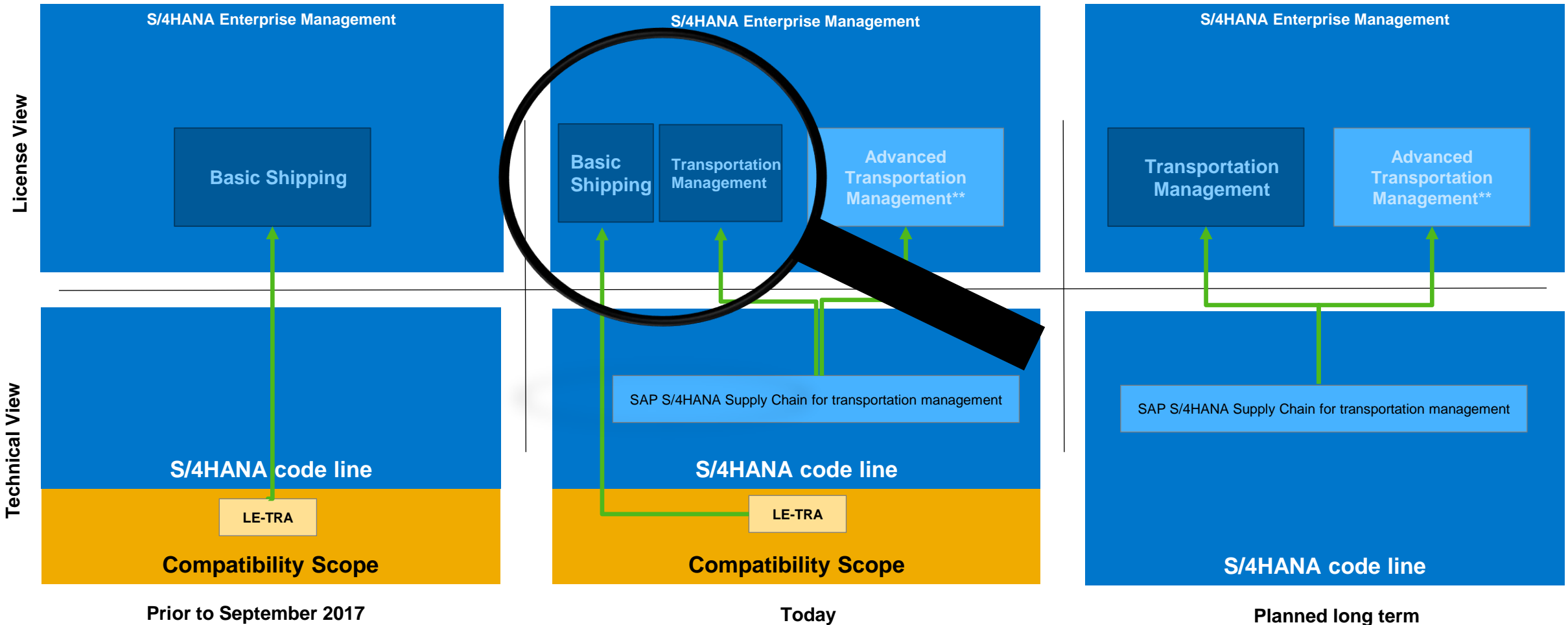
Transportation Management in SAP S/4HANA

License View

Technical View

Prior to September 2017

S/4HANA Enterprise Management

Basic Shipping

S/4HANA code line

LE-TRA

Compatibility Scope

Today

S/4HANA Enterprise Management

Basic Shipping | Transportation Management | Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

LE-TRA

Compatibility Scope

Planned long term

S/4HANA Enterprise Management

Transportation Management | Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

**Requires engine license

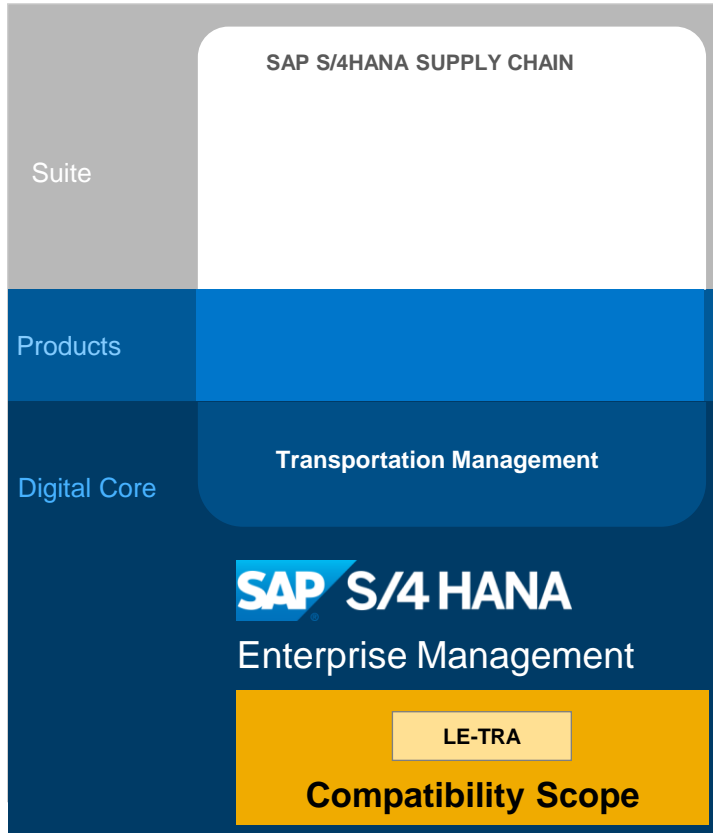**This is the current state of planning and may be changed by SAP at any time.**

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Transportation Management in SAP S/4HANA

License View
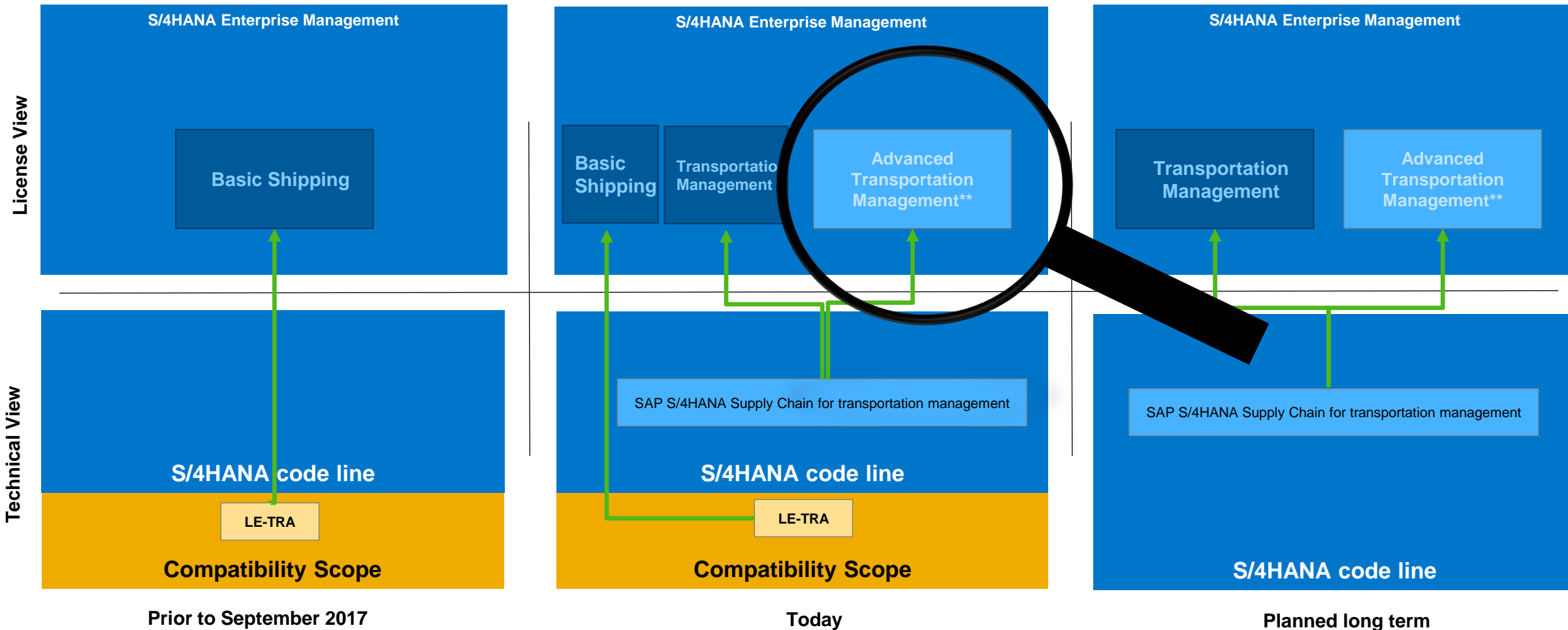
Technical View

S/4HANA Enterprise Management

Basic Shipping

S/4HANA code line

LE-TRA

Compatibility Scope

Prior to September 2017

S/4HANA Enterprise Management

Basic Shipping

Transportation Management

Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

LE-TRA

Compatibility Scope

Today

S/4HANA Enterprise Management

Transportation Management

Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

Planned long term

**Requires engine license

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Basic Shipping and Transportation Management within SAP S/4HANA

SAP S/4HANA SUPPLY CHAIN

Suite

Products

Transportation Management

Digital Core

SAP S/4 HANA

Enterprise Management

LE-TRA

Compatibility Scope

- Defined collection of business processes relevant for shipping within SAP S/4HANA Enterprise Management

- The processes can be implemented with SAP S/4HANA Release 1511 with **LE-TRA** and **used until end of life of the compatibility scope (Solution Capability: Basic Shipping)**

- The main functions of LE-TRA will be eventually replaced with the Transportation Management functions within SAP S/4HANA Enterprise Management. Due to the development of the freight processes in Transportation Management, the **functions might have been realized differently than they did in LE-TRA.**
It is planned that the processes can be implemented with **selected functions of SAP S/4HANA TM*** **-> (Solution Capability: Transportation Management).**

- **Both technical applications are independent of each other** and can then be used next to each other on the same S/4HANA database instance. They have no data exchange / integration within the shipping process

- Long term the collection of basic shipping processes will **only** be realized by using **selected functions of SAP S/4 HANA TM*** **-> (Solution Capability: Transportation Management).**

- As of the 2020 release Basic Shipping is the name for the LE-TRA compatibility scope. Basic transportation functionality included in the S/4 HANA license is Transportation Management

*SAP S/4HANA Supply Chain for Transportation Management
2269324 - Compatibility Scope Matrix for SAP S/4HANA on-premise

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Advanced Transportation Management in SAP S/4HANA

License View

Technical View

S/4HANA Enterprise Management

Basic Shipping

S/4HANA Enterprise Management

Basic Shipping

Transportation Management

Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

LE-TRA

LE-TRA

Compatibility Scope

Compatibility Scope

S/4HANA Enterprise Management

Transportation Management

Advanced Transportation Management**

SAP S/4HANA Supply Chain for transportation management

S/4HANA code line

Prior to September 2017

Today

Planned long term

**Requires engine license

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SAP S/4HANA Supply Chain for Transportation Management

SAP S/4HANA SUPPLY CHAIN

Suite

S/4HANA Supply Chain for Transportation Management

Products

Digital Core

SAP S/4 HANA
Enterprise Management

Advanced Transportation Management

- Holistic End-to-End Transportation Management
- Order management (delivery integration, order based freight management)
- Planning (e.g. optimized planning, transportation cockpit, automatic carrier selection, order based planning, driver management)
- Freight execution and monitoring (discrepancies, delivery updates (e.g. GR/GI postings), advanced dangerous goods exception, new S/4 based output management (planned))
- Freight cost and settlement (e.g. advanced charge calculation, automatic change management process, group logistics management, dispute management, internal settlement)
- Analytics and reporting via CDS

Note: New developed features in S/4HANA Transportation Management may be part of Advanced Transportation Management

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SAP S/4HANA Supply Chain for Transportation Management

SAP S/4HANA SUPPLY CHAIN

Suite

Products — **S/4HANA Supply Chain for Transportation Management**

Digital Core — **Transportation Management**

SAP S/4 HANA
Enterprise Management

Advanced Transportation Management

- Shipping and freight-forwarding industries
- Holistic End-to-End Transportation Management
- Early planning based on orders
- Plan combined inbound and outbound deliveries/orders
- Optimized transportation planning
- Peer-to-peer / broadcast tendering
- Advanced charge calculation and freight settlement
- Dispute management
- Support real-time, data driven decision making with CDS-based analytics
- Strategic freight management

Transportation Management

- Shipping industries only
- Delivery-based planning
- Create freight orders with grouped inbound or outbound deliveries
- Manual and rule-based planning
- Monitor freight orders without Event Management
- Basic charge calculation and freight settlement

Note: New developed features in S/4HANA Transportation Management may be part of Advanced Transportation Management

2020 FPS1 – Transportation Management vs. Advanced TM

As of the 2020 release Basic Shipping is the name for the LE-TRA compatibility scope. Basic transportation functionality included in the S/4 HANA license is now referred to as Transportation Management.

Starting with the S/4HANA TM 2020 release the format for communicating what is included in Transportation Management (transportation functionality included in S/4HANA license) versus what requires the Advanced TM license is now embedded in the attached pdf file. The switch in format was made to allow for more detail to be included than was previously allowed in the simple table slides via pptx.

NOTE: as before, the pdf will be periodically updated to reflect new and updated information. Please check in frequently to make sure you have the most current information.

The current version of the PDF is attached to this note.

FAQ – S/4HANA SC for TM: License perspective

Can existing TM customers move to S/4HANA SC for TM? Is there additional license required?

- Yes, existing TM customers can move to S/4HANA SC for TM. There is no migration path but tools are available as of S/4HANA 1809 to assist with migrating master data. Customers receive full credit for their existing TM license for conversion purposes.

Will basic shipping with S/4 TM also require separate license or is it only for advanced functionalities?

- A separate license is only required for advanced functionalities.

Do customers still need to license users for Transportation Management?

- On Premise Transportation Management is an engine only license. Customers are required to license the minimum number of professional users for Enterprise Management since TM is embedded in the solution. Cloud (Extended Edition) requires a minimum number of FUE.

Is there a new material number for S/4HANA SC for TM?

- Yes, there are new material numbers available.

FAQ – S/4HANA SC for TM: Functionality perspective

Is the Collaboration portal included in S/4HANA SC for TM?

- No, the functionality provided by the portal is provided by the Logistics Business Network, which requires a separate subscription license.

Is the optimizer in the S/4HANA environment or an outside engine as of today?

- Separate engine

Will the shipment in S/4HANA be replaced by the Freight Order?

- Yes, the shipment concept from LE-TRA will be replaced by Freight order.

What is covered under TM analytics in the Basic shipping ? BW Analytics is included in Basic Shipping.

How does S/4HANA SC for TM differ from SAP APO TPVS?

- S/4HANA SC for TM is a holistic solution that covers planning, execution and settlement versus just planning.

Does S/4HANA SC for TM support TPVS?

- No, S/4 HANA SC for TM replaces TPVS.

FAQ – S/4HANA SC for TM: Technical perspective

Is it still possible to individualize screens and part of the processes on the front-end?

- Yes, screens are created through Floorplan Manager and Webdynpro.

Is the BOPF tool still available? – Yes.

Is NWBC part of S/4HANA?

- Yes, NWBC is stand alone accessing to TM UI, the entry point is now through Fiori Launchpad
- Fiori-like design, but Webdynpro applications

Is Event Management embedded in S/4HANA?

- Event Management is not embedded within S/4HANA. However, it does integrate with S/4HANA.

FAQ – S/4HANA SC for TM: Integration perspective

Is the previous EWM-TM Integration through delivery (which was there through ERP) still supported ?

- Yes, integration between EWM and TM will continue to exist. In the initial releases this integration will continue to rely on the web services that were used in prior releases.

Will S4/HANA SC for TM integrate with the Logistics Business Network, if so how?

- S4/HANA SC for TM integrates with the LBN. There is a separate subscription license for the LBN.

Is there any planned integration with APO? - Integration with IBP is on the roadmap.

Any integration planned with Vehicle Insights for vehicle scheduling for example?

- Nothing is on the roadmap at this time

Is there Transportation Load Builder (TLB) in the S/4HANA SC for TM?

- Load planning and optimization are part of the licensable Advanced Transportation Management. It is on the roadmap to be able to use the Advanced TM package building and load consolidation to support TLB functionality in IBP assuming both IBP and Advanced TM are licensed separately.

FAQ – S/4HANA SC for TM

When we say TM is now embedded in S/4HANA, it means its on the S/4HANA Line of code now? – Yes.

Will S/4HANA TM and Business Suite TM (9.x) follow the same code line for future release?

- There will be separate code streams for the two deployment options but TM 9.6 is the last planned release for the Business Suite.

Any plans to bring TM (basic shipping and/or TM in S4 scope) to S/4HANA public cloud?

- Basic Shipping capabilities are available in S/4HANA ES (formerly MTE).

Will BP (Best Practice) content also cover embedded TM content or will they be delivered separately ?

- Best Practice content is available for Basic Shipping and Advanced (Professional) Shipping:
- See Note 2535942 - SAP Best Practices for S/4HANA Supply Chain for Transportation Management 1709 on premise

Change Log

Version	Date	Major Changes
1.0	July 2021	Initial Version
1.1	November 2021	Remove Detailed Slides to Multi Pick / Multi Drop as this functionality belongs to basic TM

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