**DPI How to**

A Daily Performance Indicator (DPI) provides a daily indication based on the noon report data provided. It is created automatically and contains, for example, loss in time, loss in consumption, and so on. It is not validated and may contain erroneous data.

The DPI can be used to:

* Gain a current unverified view of performance gains or losses.
* Understand whether the vessel is in line with the instructed speed.
* View current fuel consumption and loss because of weather or current conditions.
* Predict time gains or fuel consumption for the expected entire voyage
* Provide any comments or alerts relevant to the current status of the vessel.

Daily Performance Indicator inputs

In addition to the inputs generally required under specific RouteGuard Services, the customer

needs to provide the charter party conditions for the requested voyage.

Daily Performance Indicator flow

DTN routing system generates a Daily Performance Indicator (DPI) while the vessel is en-route by

checking the latest good-weather data taken only from the latest noon report. The data used is

not verified or approved.

A DPI contains the following items:

* General details:
* Vessel
* Operator
* Voyage
* Current situation:
* Speed order
* Sailed distance.
* Total distance
* SPSOP / ATD.
* Reported ETA.
* Calculated ETA (route advice)

• Last known position reported by Master:

* Date/time
* Latitude and longitude
* Wind speed over the last 24 hours (Beaufort scale)
* Waves and swell over the last 24 hours

• Performance summary:

* Charter party details
* Good weather time
* Performance speed / instructed speed.
* Under consumption HFO.
* Under consumption MDO

• Comments / Alerts

• Charter Party details:

* + Speed
	+ HFO
	+ MDO
	+ Wind speed (Beaufort scale)
	+ Significant wave height
	+ Additional details

• Speed analysis:

* + Distance (good weather / all weather)
	+ Time (good weather / all weather)
	+ Average speed (good weather / all weather)
	+ Current factor (good weather / all weather)
	+ Weather factor (good weather / all weather)
	+ Performance speed (good weather / all weather)

• Time analysis:

* + C/P time
	+ Maximum warranted time
	+ Good weather time extrapolated voyage
	+ Time gained

FO & MDO bunker analysis:

* + Total consumption
	+ Total CO2 emissions
	+ Average consumption
	+ Good weather allowed consumption
	+ Good weather allowed consumption extrapolated
	+ Good weather allowed consumption extrapolated voyage
	+ Under consumption

• Legend that explains the meaning of asterisks and colour codes used in the DPI.