

# ITN RRI

<b>Specification</b>	OS MasterMap® Integrated Transport Network™ (ITN) Layer Road Routing Information (RRI).
<b>Coverage</b>	Great Britain (England, Scotland and Wales).
<b>Availability</b>	Order by: <ul style="list-style-type: none"> <li>• Great Britain</li> <li>• England</li> <li>• Scotland/Wales</li> <li>• User-defined areas: <ul style="list-style-type: none"> <li>• specific identities of National Grid tiles;</li> <li>• administrative region;</li> <li>• Government Office Region;</li> <li>• bounding box; or</li> <li>• irregular shape drawn within the service using the tools provided or imported into the service.</li> </ul> </li> </ul>
<b>Data source</b>	The ITN Layer Road Network theme was originally sourced from the Ordnance Survey ROAD dataset in 2002–03. The ROAD dataset was created circa 1993 and maintained until 2006 to support the OSCAR® product range, which has now been withdrawn. The ROAD dataset was used to create the network and was then subsequently improved by matching to the OS MasterMap Topography Layer. At the same time, the ITN Layer Road Routing Information (RRI) theme, collected by field surveyors during 2002, was incorporated into the data. The dataset is mainly updated from the Ordnance Survey large-scale database and from information collected from the field.
<b>Data structure</b>	Vector
<b>Scale</b>	For urban areas the data has been captured and maintained at a basic scale of 1:1250 and is suitable for display at this scale. For rural areas the data has been captured and maintained at a basic scale of 1:2500 and is suitable for display at this scale. For mountain and moorland areas the data has been captured and maintained at a basic scale of 1:10 000 and is suitable for display at this scale.
<b>Transfer format</b>	GML 2.1.2 The ITN Layer commercial attributes are a supplementary dataset of physical weight and width restrictions (weak and narrow bridges). This dataset is supplied as a text file in CSV format.
<b>Storage volume</b>	National coverage for the ITN Layer, with full RRI, in Gz format is 514 Mb (as of February 2008).
<b>Supply media</b>	CD, DVD and FTP (for orders up to 400 Mb in size).
<b>Coordinate precision</b>	The ITN Layer RRI theme coordinates are captured and stored to a decimetre precision.
<b>Update interval</b>	Complete resupply is available six weekly. Change-only update is available six weekly. The OS MasterMap service enables users to place regular scheduled orders, subscribe to the Managed Great Britain sets (MGBS) service, which gives full supply and updates for the whole of Great Britain, or place ad hoc orders as required.
<b>Styling</b>	There is currently no styling for the ITN Layer RRI theme as this theme only references the underlying network. As these features are referenced to the network, several software vendors have produced styles for the RRI features and have done so with a very good understanding of the customer's requirements for the product within their software. Styling does exist for the Roads Network. The following link refers to the styles sheets: <a href="http://www.ordnancesurvey.co.uk/oswebsite/products/osmastermap/xml/index.html">www.ordnancesurvey.co.uk/oswebsite/products/osmastermap/xml/index.html</a>
<b>Geometry types</b>	Not applicable as the ITN Layer stores references to the Road Network geometry, referencing a point, line or partial line feature.
<b>Coordinate reference system.</b>	British National Grid (OSGB36®)
<b>Unique reference</b>	Unique IDs (TOIDs) are provided for each feature.