Infinitives

He wanted to go away
He wanted to be praised

An infinitive can be an object of a transinfinitive verb

He thought that to go away was a good idea
To go away now would be a sign of weakness

An infinitive can be the subject of a clause

To permit identification, the following additional parameters shall be captured.

An infinitive can be a condition

It was able to fly
He was proud to fly for his country.
He is likely to go away

The verb To Be can be transinfinitive.
An infinitive can follow a limited set of adjectives – able, possible, likely, proud, foolish, silly, but not capable.

He was capable to be fooled

Not acceptable. It requires a prepositional form of infinitive

He was capable of being fooled.

A modifier which reverses the meaning allows a larger set of adjectives –

He was too capable to be fooled.

Types of Infinitive

Participial Infinitive

Many nouns support a participial infinitive form

The system (that is) to be delivered

He is waiting for the system to be delivered.

This (presumably) isn't a participial form – he isn't waiting for the system (that is to be delivered), he is waiting for the delivery of the system.

Infinitive Phrase

An InfinitivePhrase is a cut down clause

He wanted John to go to Turkey.

This is

He wanted
                John to go to Turkey
```
---------------------------
                        |
               ----------------------
```

The InfinitiveClause is the object of the initial clause

The SoAsInfinitive

He danced (so as) to amuse the guests.

```
               ----------------------
                        |
---------------------------
```

He amused the guests by him dancing.

He enlarged the hotel to accommodate more guests.

This could be

1) He enlarged the hotel (so as) to accommodate more guests.

2) He enlarged the hotel (that is) to accommodate more guests.

Meaning 1 is more likely, but how to know it?

The InfinitiveClause has the initial clause as its subject.

Sometimes the initial clause is no more than a verb auxiliary.
The fuel failed to ignite.

This isn't notionally different to

The fuel did not ignite.

But then

He aimed to please.
He tried to please.
He wanted to please.

He strove to win.

It is necessary to do something.

It is necessary to do something to make it a success.

By Means Of Infinitive

He sold the car to make a quick profit.

He made a quick profit by means of selling the car

More Complex Forms

It was capable of flying – prepositional infinitive

He wanted to start paying the mortgage – start used as an infinitive auxiliary

He wanted to have been going – infinitive with auxiliaries
He wanted to have been gone by now

He wanted to have waited – infinitive with auxiliaries

Infinitive Chains

He wanted to begin to fly

He wanted to pay to be flown there

Examples

He is waiting for the services to be provided.

Waiting for the "provided", not the "services".

He is expecting the system to be delivered tomorrow.

He is expecting the delivery of the system tomorrow.

He is expecting the system to be delivered tomorrow to be better than the existing one.

An intermediate infinitive becomes participial.

The file provides details of the Master Timetable templates to operate during each day of the year.

"to operate" is participial – "templates (that are) to operate"

It shall be concluded in sufficient time to meet overall System performance requirements.

"time" directly supports an infinitive.

This FPS defines the requirements of the System to be delivered under the Contract.

Participial on System

The purpose is to communicate the requirements.

A direct connection between "purpose" and "to communicate"

It comprises communications Equipment to support interfaces to external systems.

Participial on Equipment

It is envisaged that the Contractor will supply the MSS and scale it as necessary to incorporate approved configurations.

Make "scale" transinfinitive

The Vehicle Sub-System shall collect bus position information, monitor Equipment fault status and record other relevant on-board events to support electronic profiling.

"to support" is the high level relation, the others are "by means of". This is mixing requirements with intention.

The System shall include functionality to control the operation of System elements, manage bus service data, control the tracking of buses and manage the display of information.

"functionality" supports an infinitive, but this does not say "the functionality shall control"

The MSS shall have the capability to request traffic signal priority treatment.

"capability" supports an infinitive

A Maintenance Terminal shall be provided to assist the Contractor.

Causative, as can be seen from

To assist the Contractor, a Maintenance Terminal shall be provided.

(a) Preformatted RPID messages to be defined by parameters or reference data;

Participial on messages.

a hardware facility for the Bus Controller to selectively initiate a power-on restart in the event that the component fails to operate in the expected manner.

"facility" supports the infinitive "to initiate"

"fails to" is a verb auxiliary on "operate", like "doesn't"

Functionality shall be provided to enable the power down delay to be altered and dynamically controlled from the MSS.

"enable" is transinfinitive.

The VSS shall monitor the bus location with sufficient regularity to meet FPS requirements.

the Bus Controller shall rely on an internal dead reckoning algorithm using the calibrated odometer and door event inputs to calculate vehicle position.

"using" is transinfinitive

To permit the identification and statistical analysis of the distribution of Unproductive Dwell across individual trips, the following additional parameters shall be captured.

Where the TOB is unable to be sensed, the event does not need to be reported to or logged by the MSS.

"need" is transinfinitive

interception is necessary to provide assistance.

"necessary" supports an infinitive

It is expected to be performed as part of the bus preparation phase.

"expected" is transinfinitive

interface requirements to the New Ticketing System have yet to be finalised,

"have yet" functions as verb auxiliary

The data is to include, as a minimum, time.

the functions to be implemented by the Bus Controller.

Participial

an alert shall be raised on the Dispatcher Terminal providing details of the conflict to enable resolution by the Bus Dispatcher.

"providing" is transinfinitive

The VSS shall include a Driver Console to present the driver with a display of Trip number.

Participial

It may be used for other purposes approved by the Project Authority, such as to display diagnostic information.

"such as" supports infinitive

This shall be positioned on the Driver Console in such a way as to be readily visible to the driver.

"in such a way as" supports infinitive

The Driver Console shall include a power indicator that is illuminated when the Equipment is powered to aid in fault diagnosis.

Could come from "illuminated" or "powered" – should have comma, but semantically, must be connected to "illuminated"

The communications design shall aim to maximise information transfer.

"aim" is transinfinitive

The design of passenger information update functionality shall facilitate incremental or staggered rollouts so as to minimise the data volume.

"so as" supports infinitive

(e) display text to consist of not less than 7 pixels high and 120 pixels wide;

(a) consist of internally illuminated discrete LED pixels;

In addition to normally displaying the next stop details, the message row shall be capable of displaying scrolling free form text messages.

the display shall be powered down after a predetermined period to avoid undue battery drain.

A configuration facility shall be available on the Dispatcher Terminal to disable the display.

It shall be displayed when the bus is not in service, during depot run-out and run-in trips, or if selected from the Dispatcher Terminal to override the normal operation.

"selected" is transinfinitive

It may be possible to interface with these existing speakers.

This procedure shall be developed by the Contractor to comply with relevant Environment Protection Authority.

"developed" supports infinitive

The level of attenuation shall be preset to a standard to be determined by the Contractor.

Participial on "standard"

The VSS shall be designed in such a way that the level of modularity will be sufficient to enable ease of servicing and to support interchange of components between vehicles,

"sufficient" supports infinitive

all assemblies are:(a) explosion proof, and (b) designed to limit surface temperature to prevent adjacent material or Equipment from igniting.

"to prevent" is causal

Cable ties shall be used to restrain cables inside bus roof and wall linings to minimize movement.

Filtering shall be provided to eliminate interference caused by bus electrical Equipment.

Equipment installed on the roof of buses shall be robust enough to withstand the automated wash facilities and to withstand damage from low overhanging tree branches.

The GPS antenna shall be positioned so as not to obstruct access to or removal of other bus Equipment.

This is intended to allow data transfer and synchronisation between the Bus Controller and the MSS.

Functionality shall be provided to enable the power down delay to be altered and dynamically controlled from the MSS.