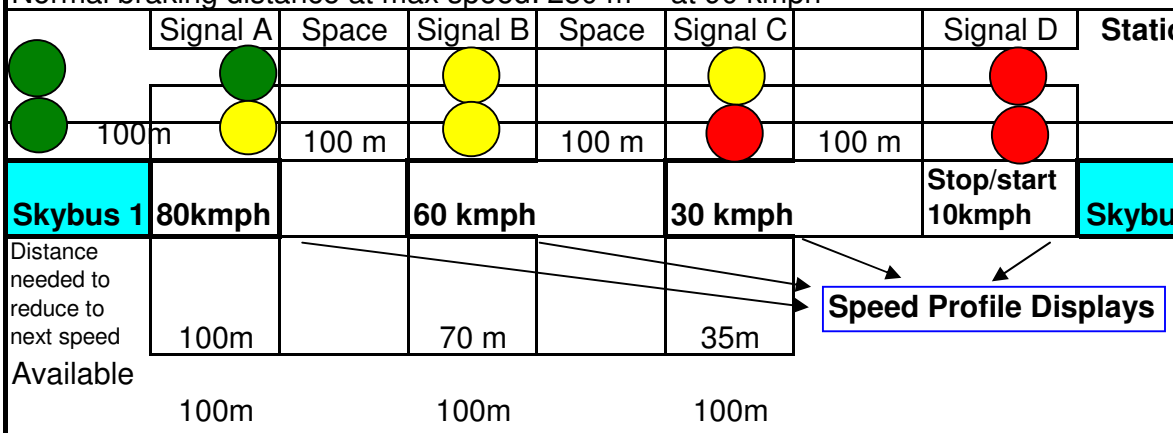
Train Control and signalling-Manual control can yield 30 sec. headway at stations.

Imagine signal positions are at every 100m and we see to it that the signal indicates red if a Skybus is occupying the space between two signals.
Normal braking distance at max speed: 250 m at 90 kmph



Skybus length is 20m. Driver will have full visibility of at least two signals.
Every Red signal is permissive signal- the driver will halt for 2 seconds and slowly starts travelling at 10 kmph and watches for the **flashing red signal** at the rear of the. Skybus preceding. The driver shall stop short of the Preceding Skybus 10m away.

The ADD also acts as an additionalsafety layer to enforce the above conditions in case driver fails at any stage and shall not give any driving instructions.
in the initial version. The gap beween departure of Skybus and arrival at the station for the following Skybus, in the worst case, is the scene, one Skybus is already standing at the station and another has arrived and waiting at 10m distance.
The Skybus has to cover the 10m and it's own length to actually arrive at the station.
We calculate the time it takes.
The disatnce is 10m + 19 m= 29m. Acceleration/deceleration taken at 1m/sec/sec .
so (29/2)=1xt*2/2 or twice 10.7703 seconds. to arrive on platform. Now the doors open at 1m sec, takes 2 seconds,
kept open for 15 seconds, doors close-another 2 sec, then departs the station.
That means 19 seconds at station and adding 7 seconds for arrival/departure,
even with manual operation and signals located every 100m, we can achieve a headway of 19 + 10.77=30 seconds.
The specification for Skybus motors is to provide accn of 1.3m/sec/sec with ELTAS controls, which has already been proven in trials.
If you take this value, headway works out to 28.4 sec
Allow the Skybus in rear to creep towards Skybus in front at 1m/sec untl the same reaches within 2m of the Skybus in front- then 29m will become 21 m and headway reduces to 27.0 sec.
All platform in Skybus stations are designed to take two units of Skybus-
So it should be practical to achieve 40 second headway without difficulty.