

## Mobile Noise Monitoring

Aircraft noise is recorded by two fixed noise monitors which are located underneath the departure flight paths in Rochford and Leigh on Sea.

London Southend Airport (LSA) has two fixed noise monitors which are located approximately one mile from each end of the single runway. In addition, LSA has a mobile noise monitor (NMT).

### **The Mobile Noise Monitor (NMT)**



A Mobile Noise Monitoring Unit consists of similar elements to the fixed NMT but in a portable configuration. The mobile monitor is housed in an industry standard waterproof, pressure correct, lockable enclosure. The microphone is located on top of a tripod with a mast. The tripod max height is 1.25m.

### **Suitable locations for mobile noise monitors (NMTs)**

To ensure accurate and consistent noise measurements, the mobile NMT should be positioned as follows:

- In a safe, secure, and accessible position, where the possibility of vandalism or theft is reduced.
- On a flat soft surface such as grass. However, concrete, slabbing or decking are acceptable if they are located within a garden area which is mainly vegetation.
- In an area without overhanging trees/vegetation.
- The measurement position should not be located next to other sources of noise such as a busy road, industrial site, construction work or any other noise source which would interfere with measurements.
- The NMT should not be located within areas of high background noise levels.
- The NMT should not be located within at least 1 metre of walls or reflective surfaces to avoid reflection of sound a greater distance is preferred.
- The NMT should not be placed in areas where it may become waterlogged
- The monitoring site should be accessible for an engineer to visit and parking should be available within 50 meters of the site.
- The monitoring site should be overflowed by aircraft operating to/from London Southend Airport and within a 3-mile radius of the airport location.

### **Legal Matters**

When a mobile noise monitor is placed in a residential location, London Southend Airport Co Ltd will ask for a formal agreement to be signed by the person(s) granting permission for the noise monitor to be placed on their property. This agreement states, amongst other things, the nature of the permission granted, the duration the mobile noise monitor is to be in place, indemnities, break clauses and restrictions relating to interference with the apparatus. At all times, the mobile noise monitor remains the property of London Southend Airport Co Ltd and no payment is made by London Southend Airport Co Ltd for services rendered in respect of permission being granted, to place a mobile noise monitor in a residential location.

LSA will fund the cost of powering the mobile noise monitor and the cost of employing an independent noise specialist company to analyse the noise data and produce a full noise report.

**Process for deploying the mobile NMT in the local community or residential property**

LSA will only place mobile NMTs in locations agreed with the Airport Consultative Committee.

Providing the NMT positioning requirements set out above can be met, LSA will consider deploying the mobile noise monitor in locations whereby;

- It can be evidenced that aircraft noise (in relation to aircraft operating from London Southend Airport) is an issue – by reviewing the noise complaints data
- It will provide meaningful data that would be useful to the wider community

LSA will allow for up to four mobile noise monitoring events per annum (one per quarter) with a maximum monitoring period of up to three months per monitoring event.

LSA will not provide noise data reports to individuals. However, following a noise monitor placement, a summary report on the noise climate at that location will be produced by the airport's independent acoustic consultants and published on the LSA website.

Requests for the mobile noise monitor should be made directly to the LSA Noise Manager [lsa.noisemanager@southendairport.com](mailto:lsa.noisemanager@southendairport.com) or by letter to:

The Noise Manager  
London Southend Airport Co Limited  
Southend-on-Sea  
Essex  
SS2 6YF

Please include the following information:

- your name and full address
- please attach a photo showing the location you wish the NMT to be positioned
- state the reason you wish to have an NMT placed at your location

All requests received in the quarter period will be submitted to ACC to decide which location to deploy the NMT to. If your location is selected, you will be contacted by the airport to arrange a site visit.