

```
protected static ArrayList<Node> getSattelitesFromInputFormat(ArrayList<InputTransponder>
inputTransponders) {
```

```
    HashMap<String, Satellite> sattelites = new HashMap<>();
```

```
    for(InputTransponder inputTrasponder : inputTransponders){
```

```
        String satName = inputTrasponder.sat;
```

```
        Transponder transponder = new Transponder(inputTrasponder.pol,
                                                    inputTrasponder.freq, inputTrasponder.sym);
```

```
        ArrayList<Node> channels = new ArrayList<>();
```

```
        for(InputChannel channel : inputTrasponder.channels){
```

```
            channels.add(new Channel(channel.name, parseInt(channel.sid)));
```

```
        }
```

```
        transponder.setChildren(channels);
```

```
        if(sattelites.containsKey(satName)){
```

```
            sattelites.get(satName).addChild(transponder);
```

```
        }
```

```
        else{
```

```
            Satellite sat = new Satellite(satName, inputTrasponder.orbital);
```

```
            sat.addChild(transponder);
```

```
            sattelites.put(satName, sat);
```

```
        }
```

```
    }
```

```
    return new ArrayList<>(sattelites.values());
```

```
}
```

