

# SMS Solutions Report

## *Finding The Best Solution*

The idea is to find the cheapest alternative to the currently implemented solution for Short Message Service (SMS) on the Virtual Job Fair website.

Color legend:

- **impossible**
- **feasible**
- **best choice**

### Option 1

Solution: Use the phone number that I already pay for under my carrier plan.

Conclusion: Not possible: Illegal in the USA. You cannot connect to a cellphone tower with the same number from multiple devices (a website and a cellphone).

### Option 2

Solution: Use a provider such as Twilio or Plivo

Conclusion: feasible choice, but expensive.

Implementation time: Short-Medium

SMS Usage (Per Month)	Plivo	Twilio	Annual Savings with Plivo
100,000	\$175	\$750	\$6,900
1,000,000	\$1,750	\$7,500	\$69,000
10,000,000	\$17,500	\$75,000	\$690,000

### Option 3

Solution: Send SMS via email.

Conclusion: Not always reliable. Need to ask the user for their carrier. Doesn't work for all carriers. Will require building the whole solution from scratch.

example: [7865555555@carrierEmail.com](mailto:7865555555@carrierEmail.com)

Implementation time: Long

### Option 4

Solution: Replace SMS with Email messages.

Conclusion: Reliable, stable, durable, and free.

Implementation time: Short