

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

**FORM 20-F/A
(Amendment No. 1 to Form 20-F)**

- Registration Statement pursuant to Section 12(b) or (g) of the Securities Exchange Act of 1934.
- Annual Report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.
For the fiscal year ended December 31, 2011
- Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.
- Shell company report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

Date of event requiring this shell company report

For the transition period from _____ to _____

Commission File Number: 0-13355

ASM INTERNATIONAL N.V.
(Exact name of Registrant as specified in its charter)

The Netherlands

(jurisdiction of incorporation or organization)

Versterkerstraat 8, 1322 AP, Almere, the Netherlands

(Address of principal executive offices)

Richard Bowers

Telephone: (602) 432-1713

Fax: (602) 470-2419

Email: dick.bowers@asm.com

Address: 3440 E. University Dr., Phoenix, AZ 85034, USA

(Name, Telephone, Email and/or Facsimile number and Address of Company Contact Person)

Securities registered or to be registered pursuant to Section 12(b) of the Act:

Title of each class

Common Shares, par value € 0.04

Name of each exchange on which registered

The NASDAQ Stock Market LLC

Securities registered or to be registered pursuant to Section 12(g) of the Act: None

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: None

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of the close of the period covered by the annual report: 55,377,020 common shares; 0 preferred shares.

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

If this annual report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or

15(d) of the Securities Exchange Act of 1934. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Sections 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer.

Large accelerated filer Accelerated filer Non-accelerated filer

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP International Financial Reporting Standards as issued
by the International Accounting Standards Board Other

If "Other" has been checked in response to the previous question, indicate by check mark which financial statement item the registrant has elected to follow: Item 17 Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act): Yes No

Explanatory Note

This Amendment No. 1 on Form 20-F/A to the Annual Report on Form 20-F for the fiscal year ended December 31, 2011 originally filed with the Securities and Exchange Commission on March 28, 2012 ("2011 Form 20-F"), is being filed solely for the purposes of filing XBRL related documents in Exhibit 101. This Exhibit was not previously filed.

Other than as expressly set forth above, this Form 20-F/A does not, and does not purport to, amend, update or restate the information in any other item of the 2011 Form 20-F, or reflect any events that have occurred after the 2011 Form 20-F was originally filed.

SIGNATURE PAGE

The registrant hereby certifies that it meets all the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this Amendment No. 1 to such Annual Report on its behalf.

ASM International N.V.
Registrant

By: /s/ Peter van Bommel
Chief Financial Officer

Dated: April 27, 2012

EXHIBIT INDEX

<u>Exhibit</u>	<u>Description</u>
101.INS	XBRL Instance Document. *
101.SCH	XBRL Taxonomy Extension Schema Document. *
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document. *
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document. *
101.LAB	XBRL Taxonomy Extension Label Linkbase Document. *
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document. *

* XBRL (eXtensible Business Reporting Language) information is furnished and not filed or a part of a registration statement or prospectus for purposes of Section 11 or 12 of the Securities Act of 1933, as amended, is deemed not filed for purposes of Section 18 of the Exchange Act of 1934, as amended, and otherwise is not subject to liability under these sections.

